

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073120\
 Data File : VV017767.D
 Acq On : 31 Jul 2020 10:55
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

Quant Time: Aug 01 04:39:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 31 23:40:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	159001	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	154944	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	86607	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35232	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.58	69	30872	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.12	63	84824	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.60%
20) 2-Butanone-d5	3.95	46	84287	46.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.82%
24) Chloroform-d	4.37	84	89297	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.06	65	49606	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.07	84	148636	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.09	67	41456	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.33	98	142647	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
45) trans-1,3-Dichloropropene-	7.64	79	19903	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
48) 2-Hexanone-d5	8.11	63	64286	48.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.42%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	29990	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	60923	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	83994	4.821	ug/L 100
3) Chloromethane	1.25	50	52210	4.606	ug/L 92
5) Vinyl chloride	1.32	62	58331	5.135	ug/L 99
6) Bromomethane	1.53	94	36581	5.010	ug/L 98
8) Chloroethane	1.60	64	35321	5.386	ug/L 94
9) Trichlorofluoromethane	1.76	101	114509	5.636	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52905	5.575	ug/L 94
12) 1,1-Dichloroethene	2.13	96	45939	5.365	ug/L 90
13) Acetone	2.22	43	25791	18.139	ug/L # 8
14) Carbon disulfide	2.31	76	137116	5.268	ug/L 98
15) Methyl Acetate	2.46	43	14120	5.104	ug/L 91
16) Methylene chloride	2.52	84	49326	5.177	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	117660	5.361	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	50266	5.388	ug/L 98
19) 1,1-Dichloroethane	3.21	63	94136	4.798	ug/L 98
21) 2-Butanone	4.03	43	101928	42.454	ug/L 90
22) cis-1,2-Dichloroethene	3.94	96	56613	4.819	ug/L 95

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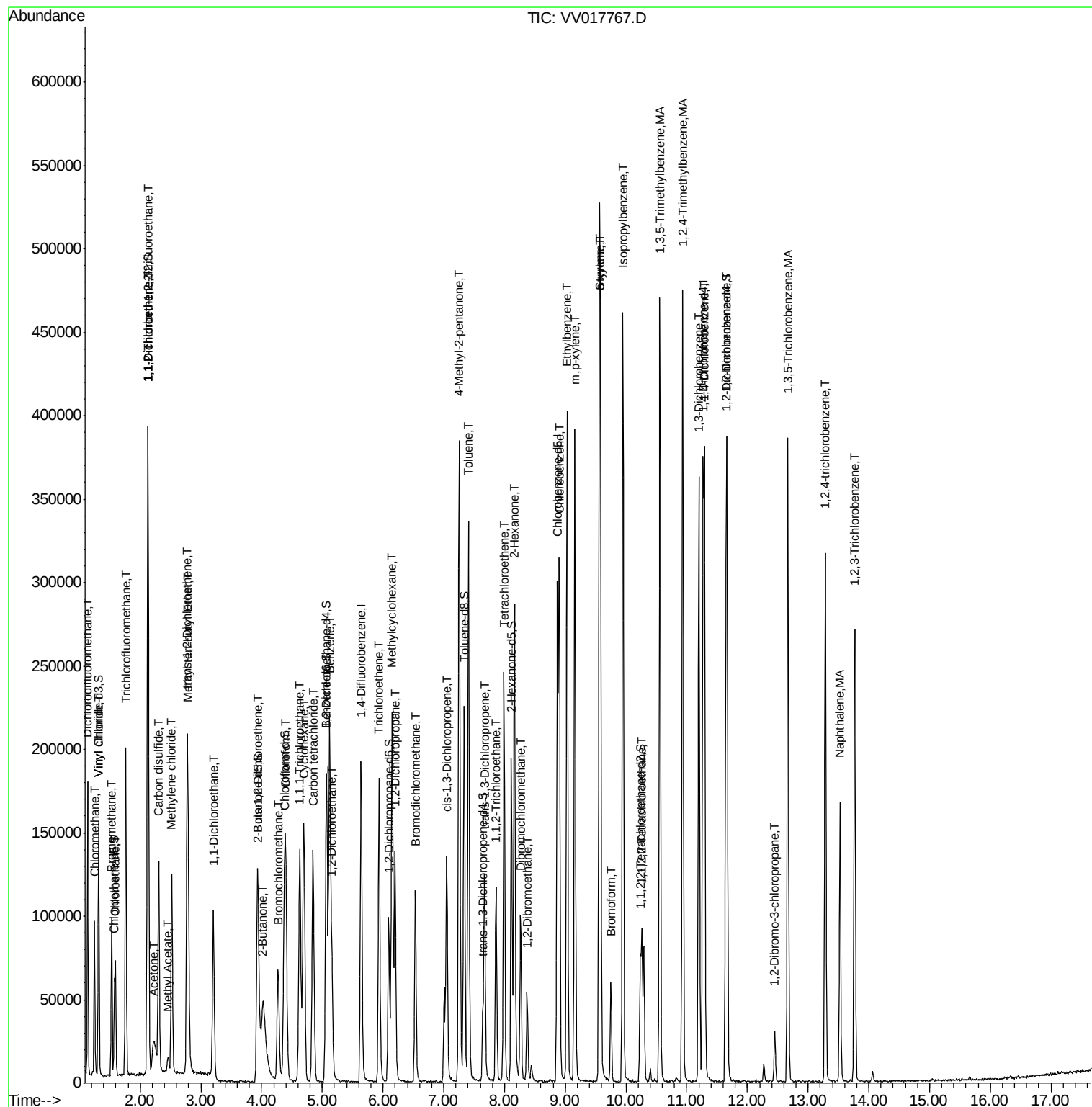
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	25173	4.650	ug/L	91
25) Chloroform	4.40	83	111682	5.072	ug/L	96
27) 1,2-Dichloroethane	5.16	62	72842	5.102	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	112913	5.209	ug/L	98
30) Cyclohexane	4.69	56	78956	4.597	ug/L	97
31) Carbon tetrachloride	4.85	117	105562	5.475	ug/L	96
33) Benzene	5.12	78	202638	4.620	ug/L	100
34) Trichloroethene	5.94	95	60572	4.944	ug/L	99
35) Methylcyclohexane	6.15	83	90479	4.882	ug/L	97
37) 1,2-Dichloropropane	6.20	63	45276	4.393	ug/L	100
38) Bromodichloromethane	6.53	83	74242	4.896	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	74073	4.765	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	245533	43.446	ug/L	98
42) Toluene	7.41	91	238078	4.976	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	239288	5.357	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	249845	5.474	ug/L	98
46) trans-1,3-Dichloropropene	7.67	75	67209	4.815	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	34634	4.431	ug/L	96
49) Tetrachloroethene	7.99	164	53466	4.950	ug/L	98
50) 2-Hexanone	8.16	43	171281	42.833	ug/L	95
51) Dibromochloromethane	8.27	129	50670	5.093	ug/L	97
52) 1,2-Dibromoethane	8.37	107	33140	4.493	ug/L	100
53) Chlorobenzene	8.90	112	155496	4.875	ug/L	99
54) Ethylbenzene	9.03	91	267830	5.000	ug/L	99
55) m,p-xylene	9.16	106	104207	5.165	ug/L	95
56) o-xylene	9.56	106	99264	5.070	ug/L	99
57) Styrene	9.58	104	172594	5.283	ug/L	98
58) Isopropylbenzene	9.95	105	284411	5.266	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	36123	4.241	ug/L	94
62) Bromoform	9.75	173	27878	5.030	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	143500	5.146	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	139068	4.970	ug/L	96
66) 1,2-Dichlorobenzene	11.67	146	125178	4.928	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	8086	5.091	ug/L	84
68) 1,3,5-Trichlorobenzene	12.67	180	122045	5.388	ug/L	96
69) 1,2,4-trichlorobenzene	13.28	180	96837	5.111	ug/L	99
70) Naphthalene	13.52	128	130683	4.947	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	83845	4.994	ug/L	98

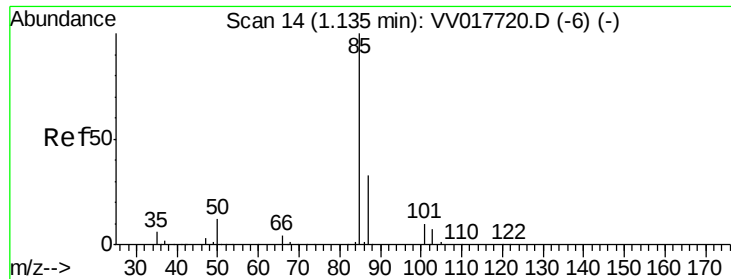
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.821 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampled :

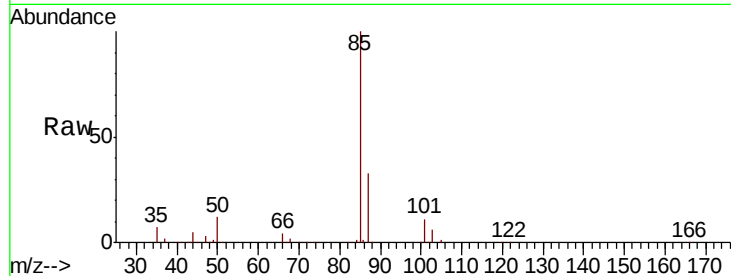
VBLK31

Tot Ion: 85 Resp: 83994

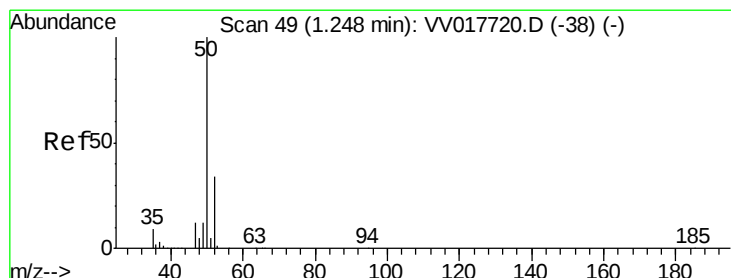
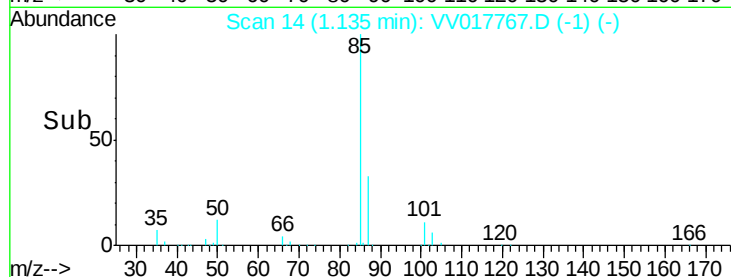
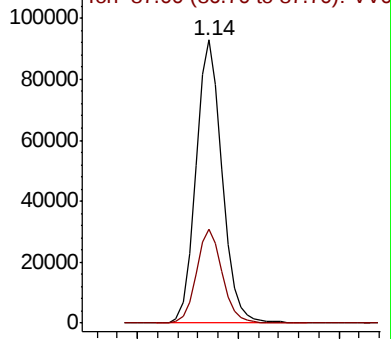
Ion Ratio Lower Upper

85 100

87 32.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV017767.D (-6) (-)



#3

Chloromethane

Concen: 4.606 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017767.D

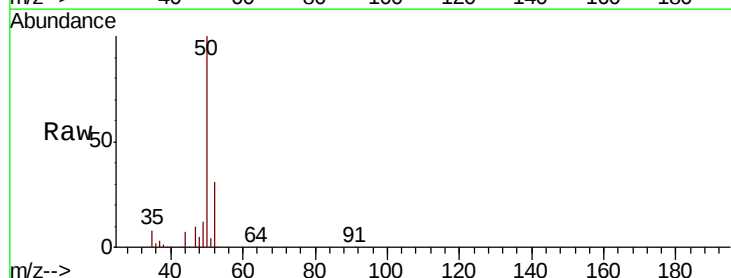
Acq: 31 Jul 2020 10:55

Tgt Ion: 50 Resp: 52210

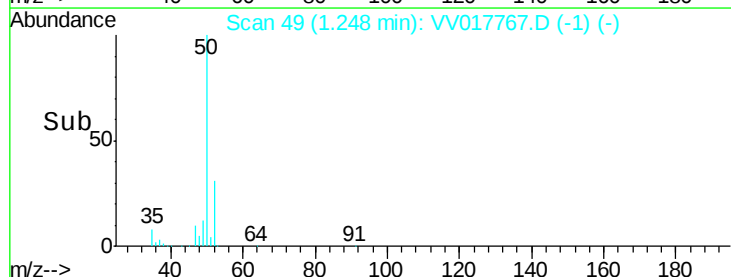
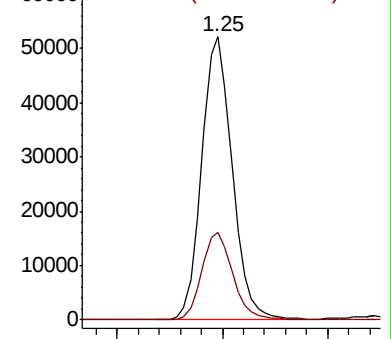
Ion Ratio Lower Upper

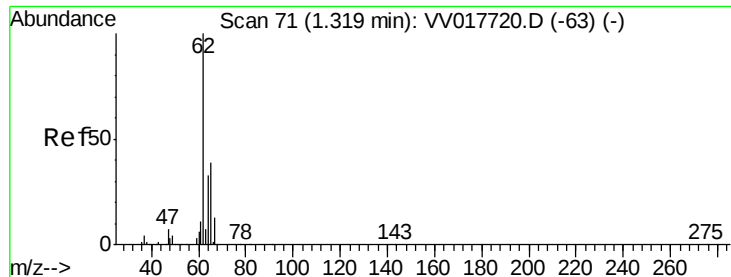
50 100

52 31.0 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV017767.D (-1) (-)





#5

Vinyl chloride

Concen: 5.135 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

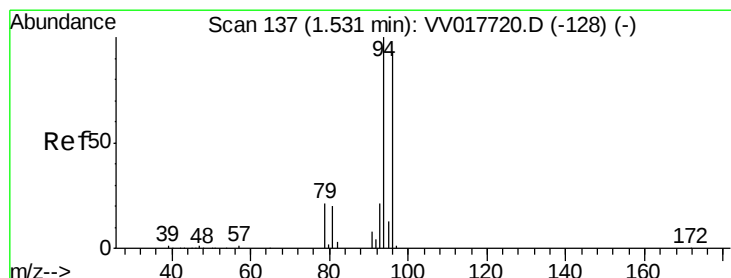
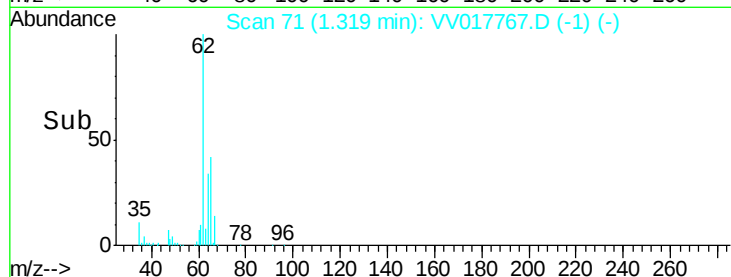
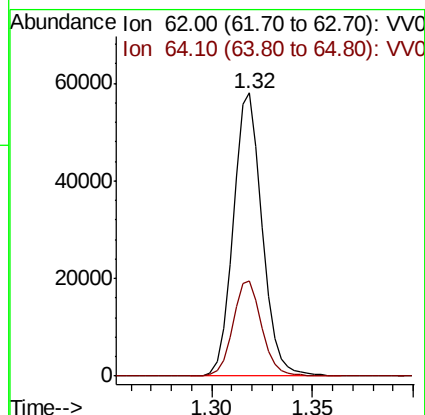
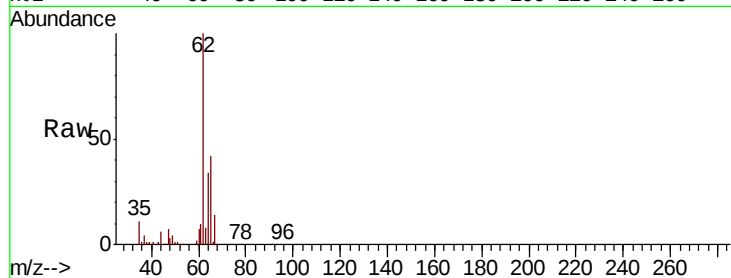
VBLK31

Tot Ion: 62 Resp: 58331

Ion Ratio Lower Upper

62 100

64 33.7 23.0 42.8



#6

Bromomethane

Concen: 5.010 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017767.D

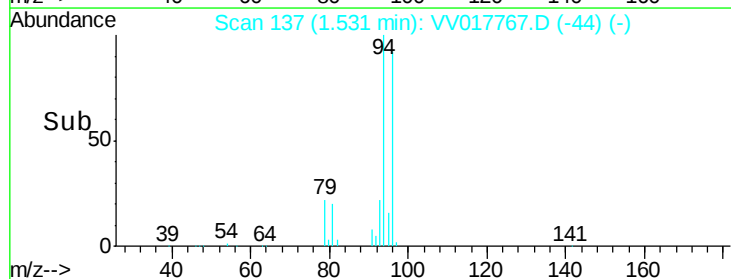
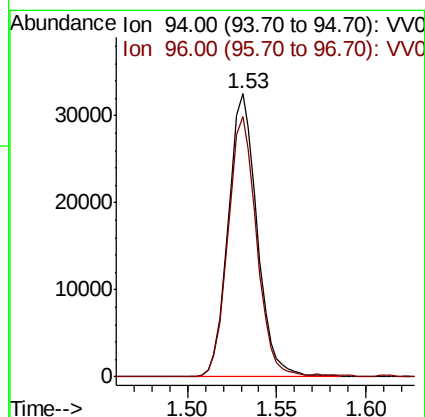
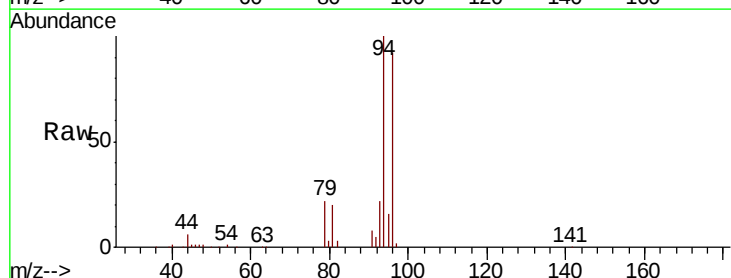
Acq: 31 Jul 2020 10:55

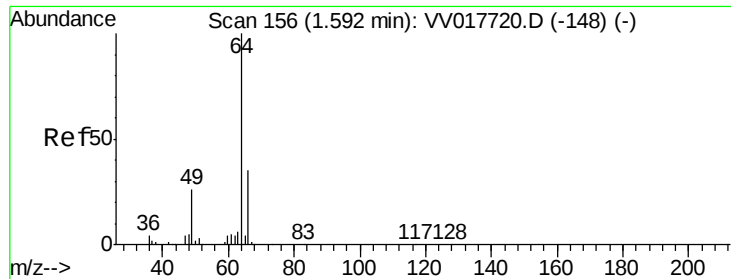
Tgt Ion: 94 Resp: 36581

Ion Ratio Lower Upper

94 100

96 91.9 65.9 122.5





#8

Chloroethane

Concen: 5.386 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

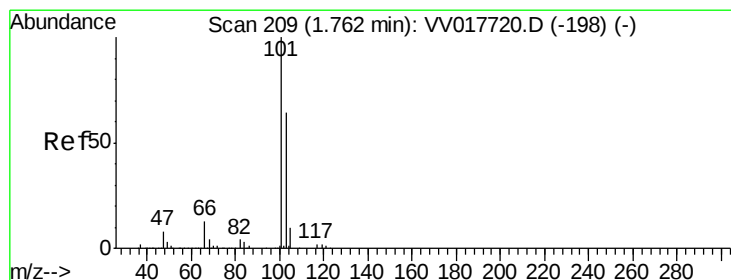
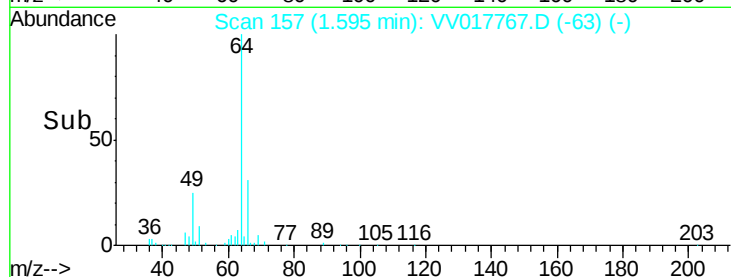
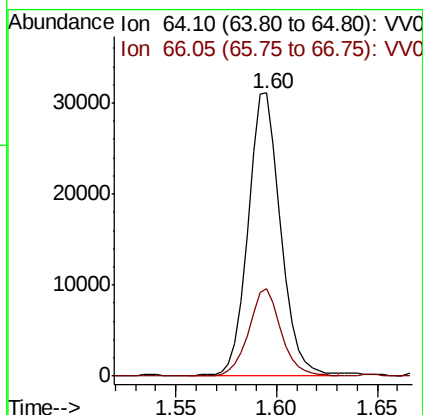
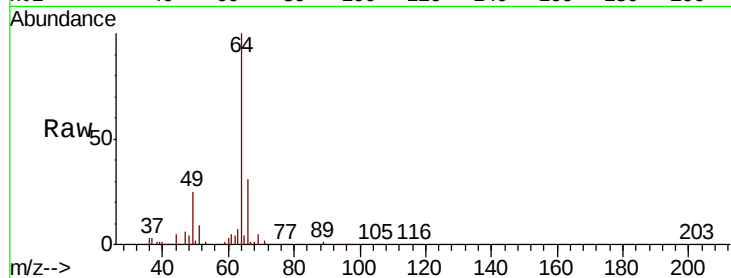
VBLK31

Tot Ion: 64 Resp: 35321

Ion Ratio Lower Upper

64 100

66 31.1 24.0 44.6



#9

Trichlorofluoromethane

Concen: 5.636 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017767.D

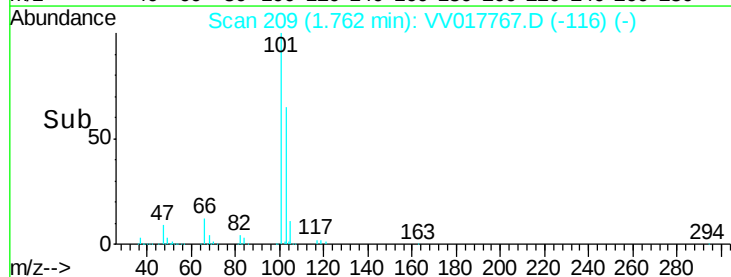
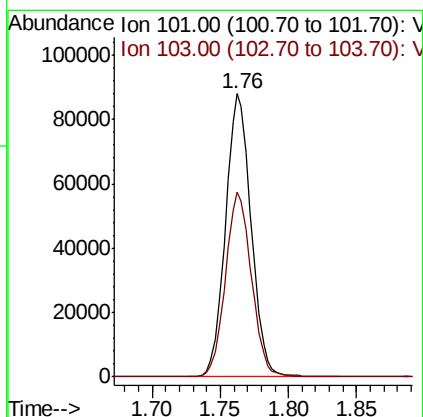
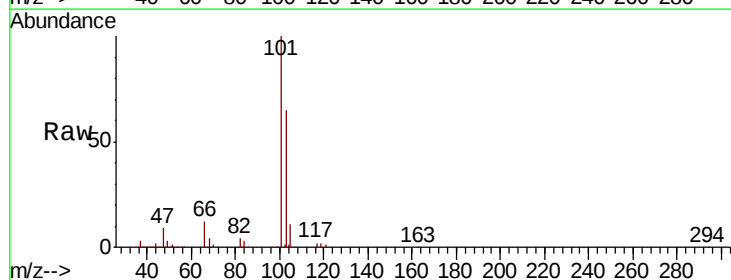
Acq: 31 Jul 2020 10:55

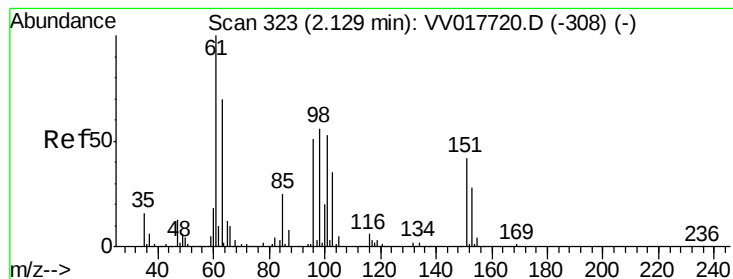
Tgt Ion: 101 Resp: 114509

Ion Ratio Lower Upper

101 100

103 66.1 51.7 77.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.575 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

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ClientSampleId :

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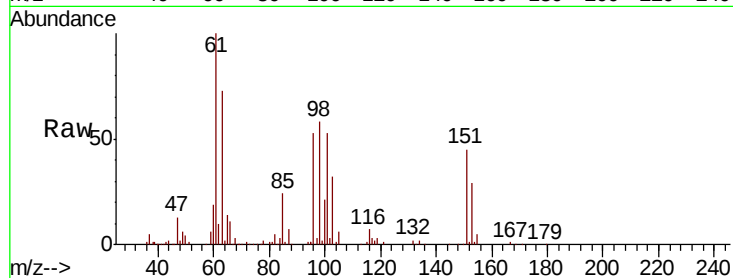
Tot Ion:101 Resp: 52905

Ion Ratio Lower Upper

101 100

85 45.5 34.6 51.8

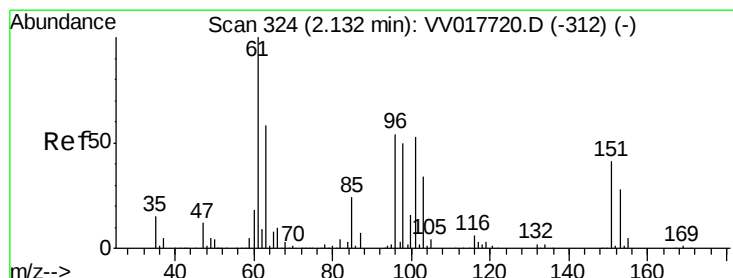
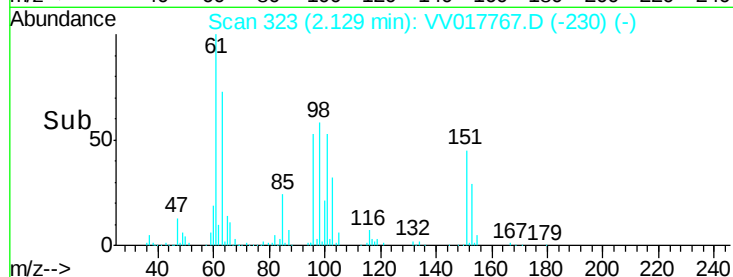
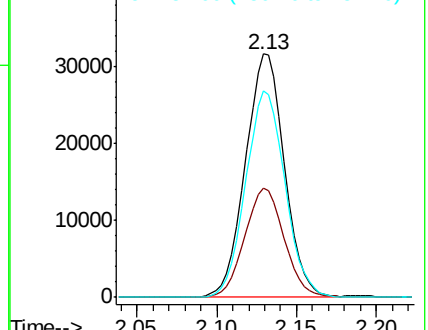
151 85.4 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.365 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

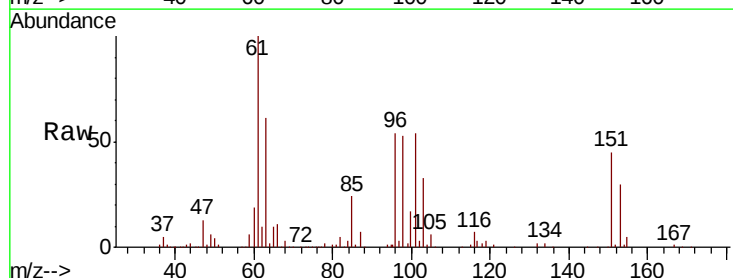
Tgt Ion: 96 Resp: 45939

Ion Ratio Lower Upper

96 100

61 185.1 123.1 228.7

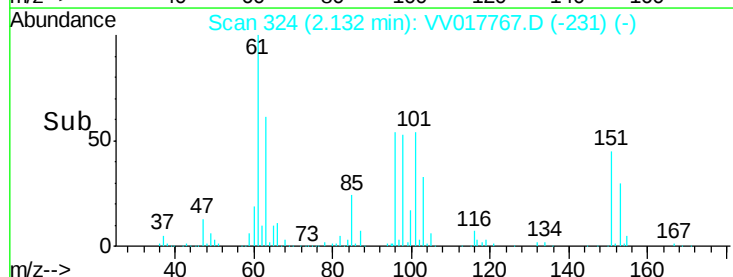
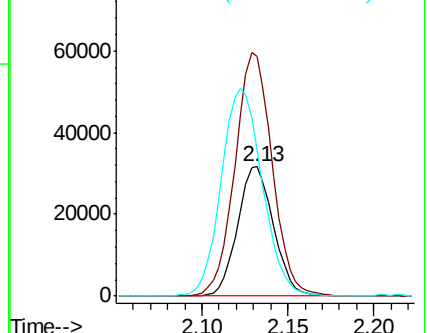
63 113.6 91.2 169.4

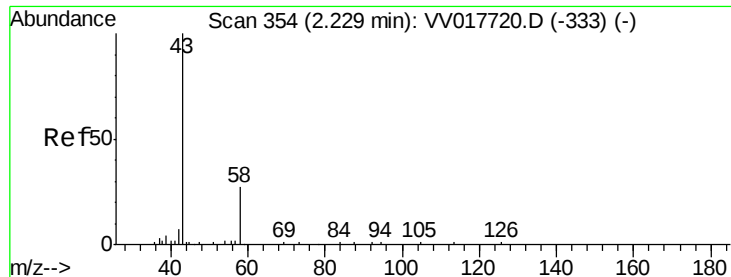


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 18.139 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.01 min

Lab File: VV017767.D

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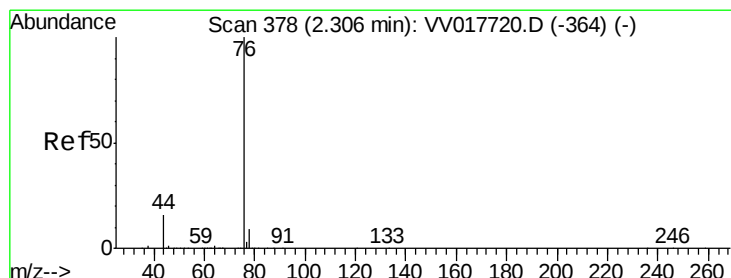
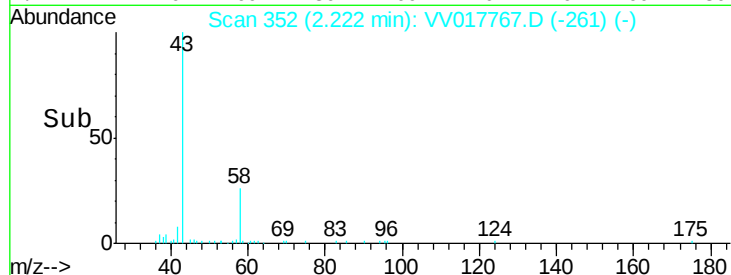
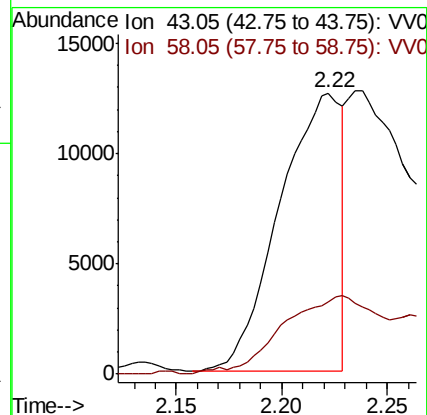
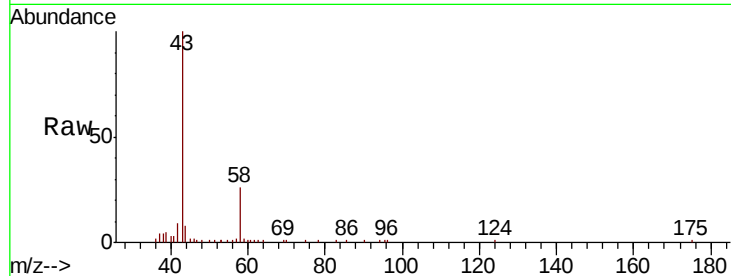
VBLK31

Tot Ion: 43 Resp: 25791

Ion Ratio Lower Upper

43 100

58 42.9 0.0 18.6#



#14

Carbon disulfide

Concen: 5.268 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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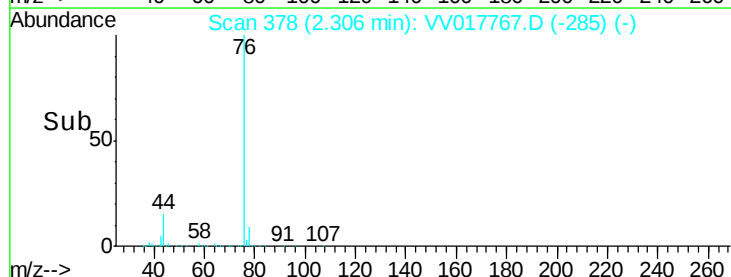
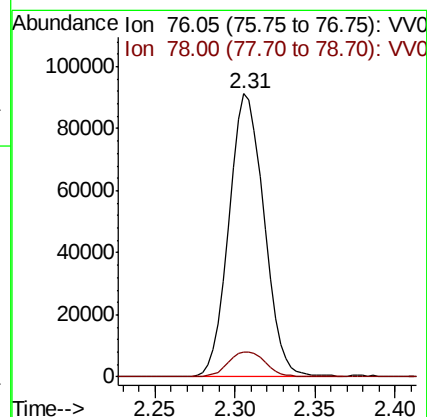
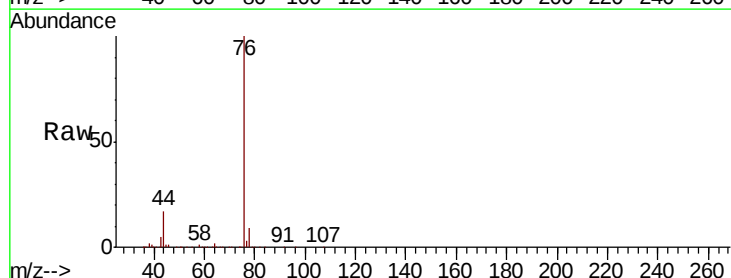
Acq: 31 Jul 2020 10:55

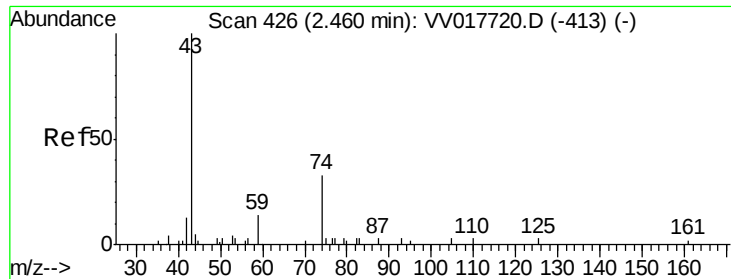
Tgt Ion: 76 Resp: 137116

Ion Ratio Lower Upper

76 100

78 8.9 6.6 10.0





#15

Methyl Acetate

Concen: 5.104 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampled :

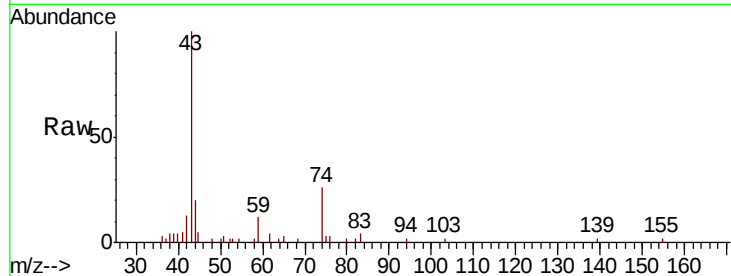
VBLK31

Tot Ion: 43 Resp: 14120

Ion Ratio Lower Upper

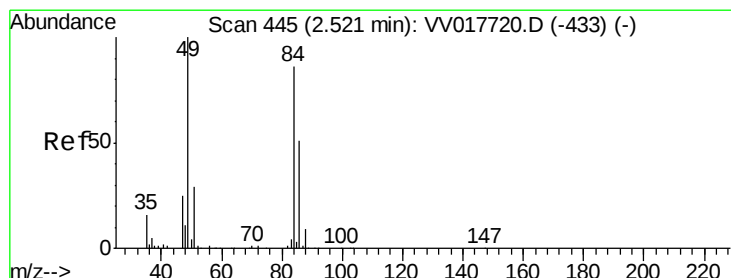
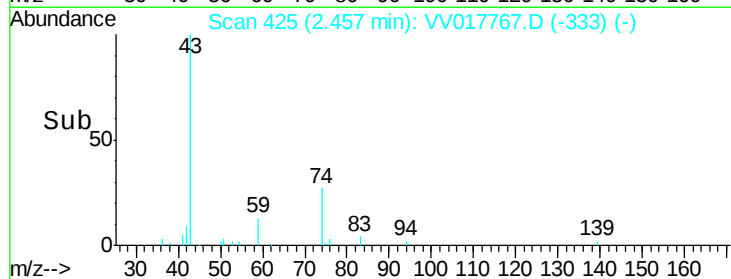
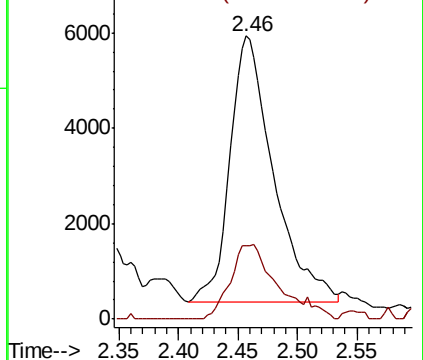
43 100

74 28.2 26.6 40.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.177 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

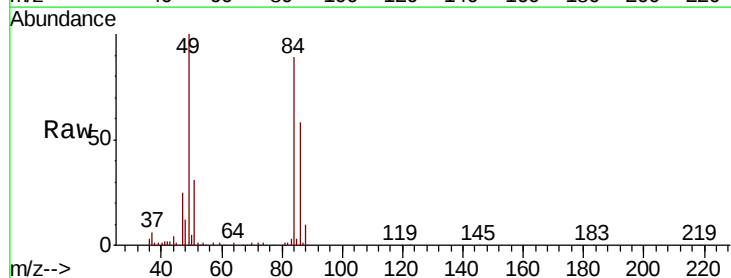
Tgt Ion: 84 Resp: 49326

Ion Ratio Lower Upper

84 100

86 64.5 46.5 86.3

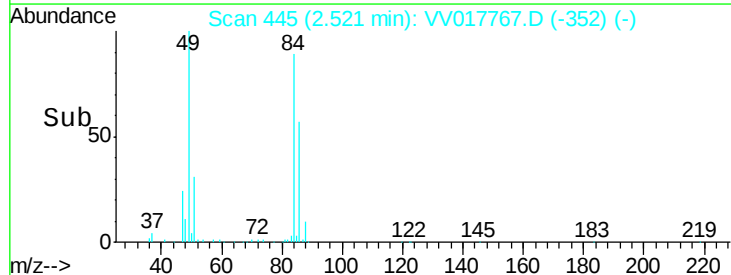
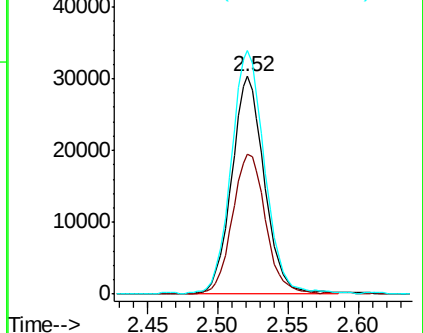
49 111.9 79.2 147.2

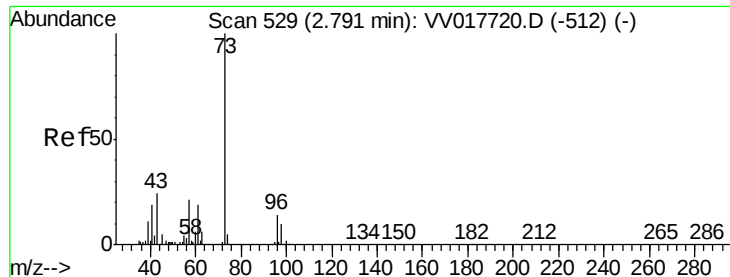


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



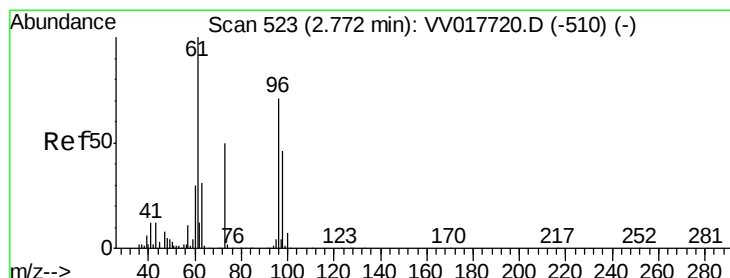
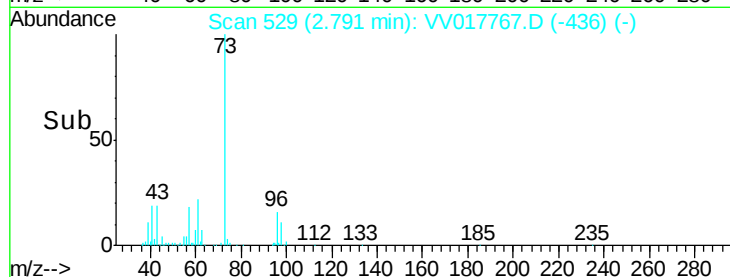
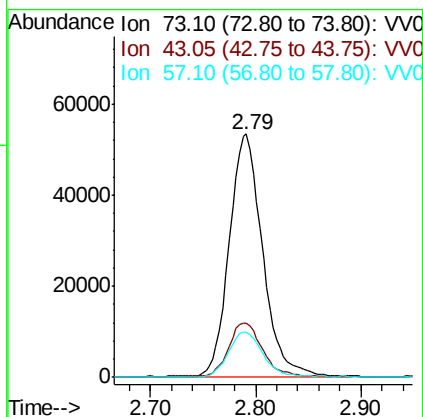
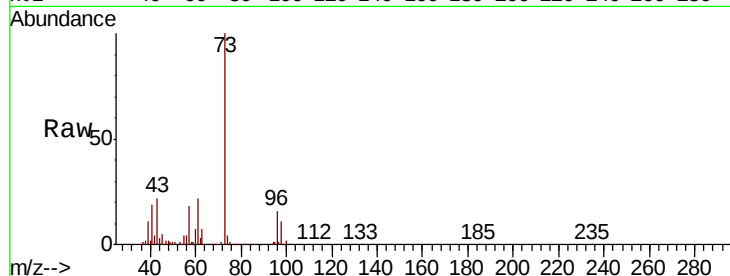


#17

Methvl tert-butvl Ether
 Concen: 5.361 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

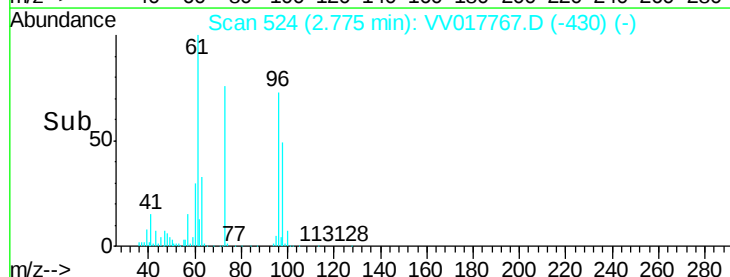
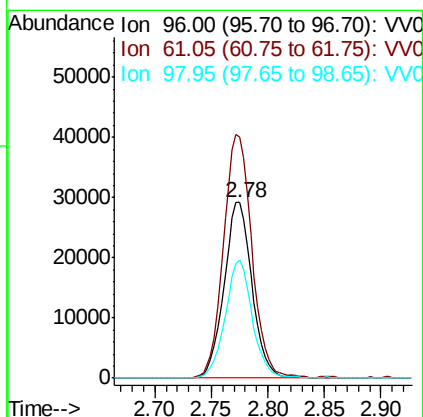
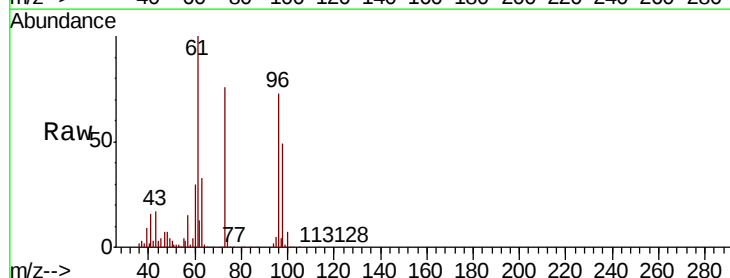
Tot Ion	Ratio	Lower	Upper
73	100		
43	22.3	18.3	27.5
57	19.4	16.7	25.1

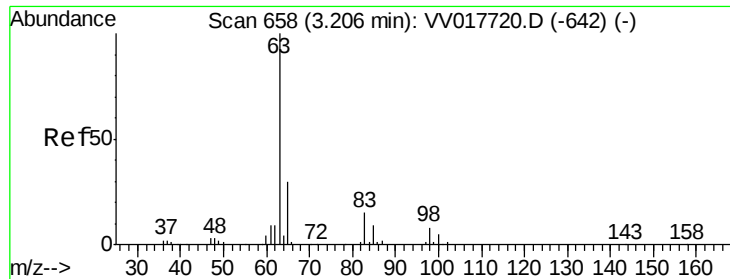


#18

trans-1,2-Dichloroethene
 Concen: 5.388 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.7	96.0	178.4
98	67.2	43.5	80.9

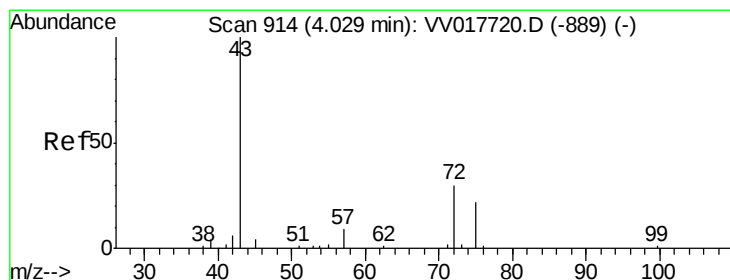
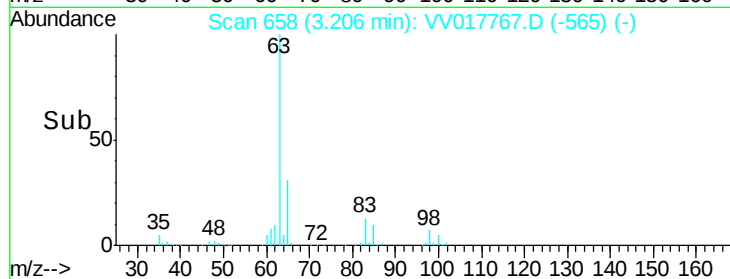
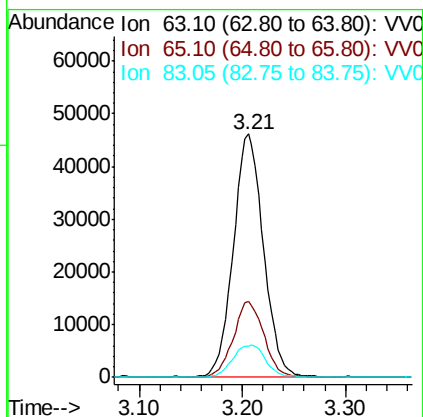
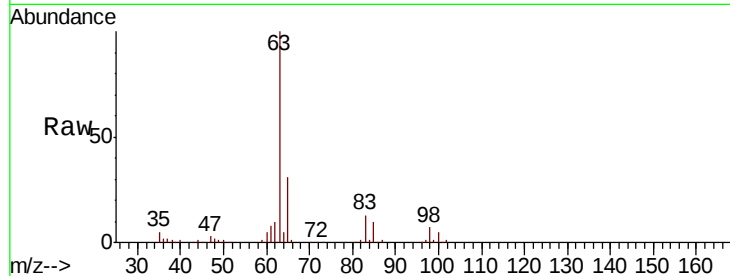




#19
 1,1-Dichloroethane
 Concen: 4.798 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

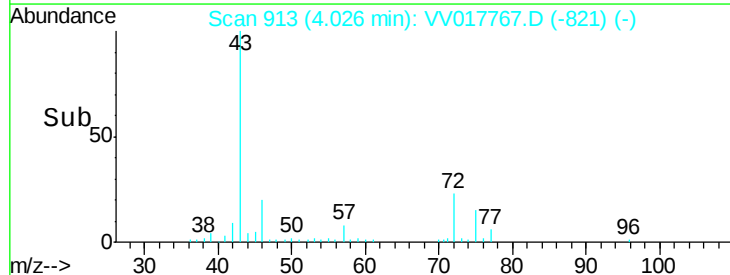
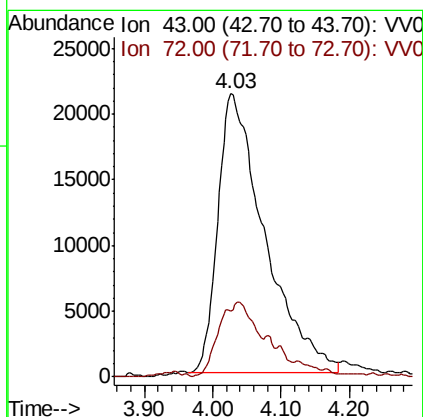
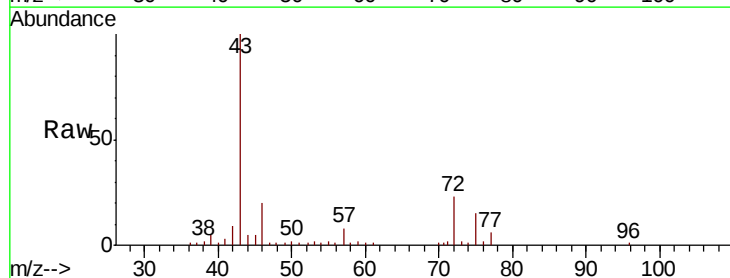
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

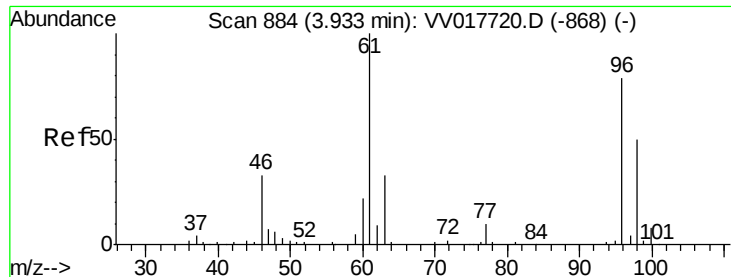
Tot Ion: 63 Resp: 94136
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.4 39.8
 83 13.0 10.4 19.4



#21
 2-Butanone
 Concen: 42.454 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Tgt Ion: 43 Resp: 101928
 Ion Ratio Lower Upper
 43 100
 72 20.7 13.0 38.9



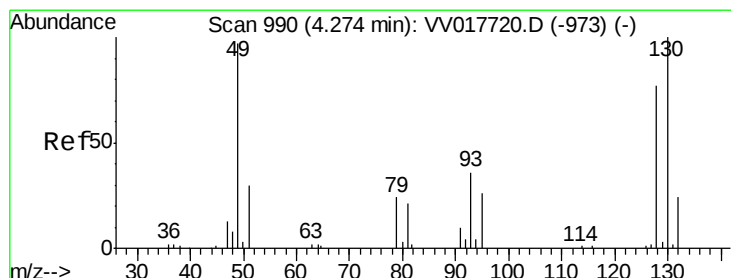
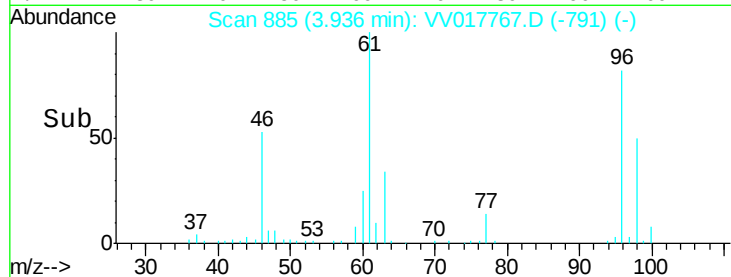
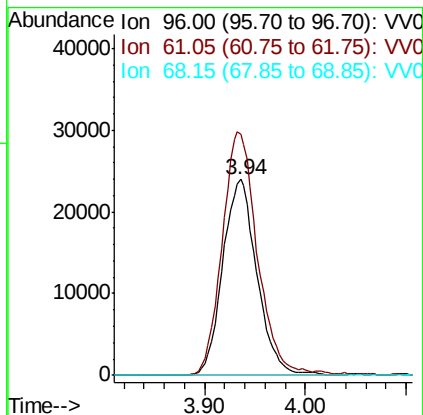
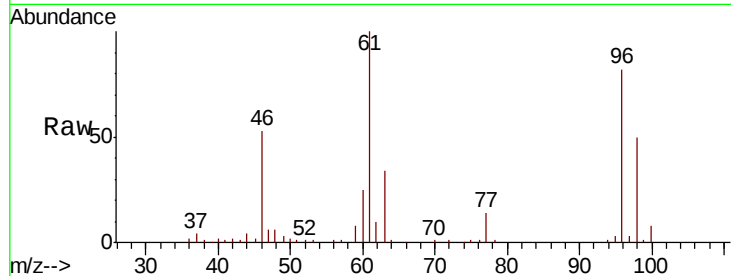


#22

cis-1,2-Dichloroethene
 Concen: 4.819 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

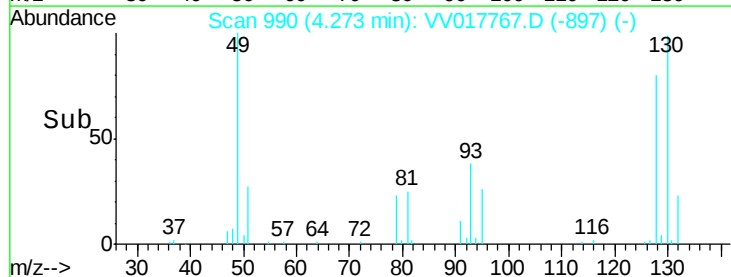
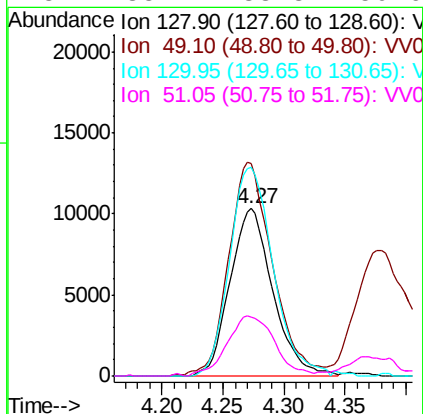
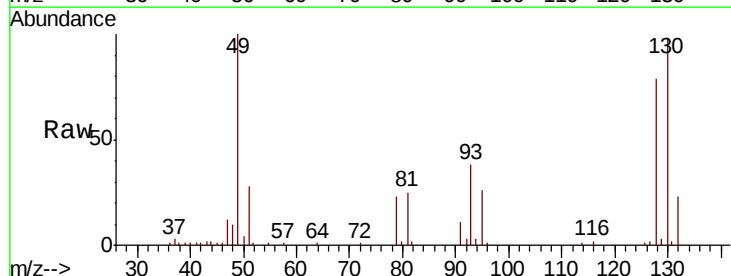
Tot Ion: 96 Resp: 56613
 Ion Ratio Lower Upper
 96 100
 61 122.6 89.6 166.4
 68 0.0 0.0 0.0

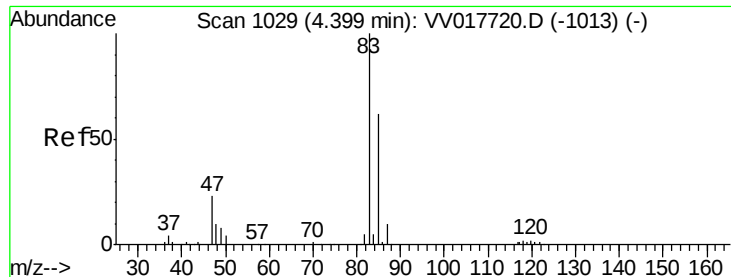


#23

Bromochloromethane
 Concen: 4.650 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Tgt Ion: 128 Resp: 25173
 Ion Ratio Lower Upper
 128 100
 49 127.1 92.2 171.2
 130 124.4 77.2 143.4
 51 35.2 33.8 50.6

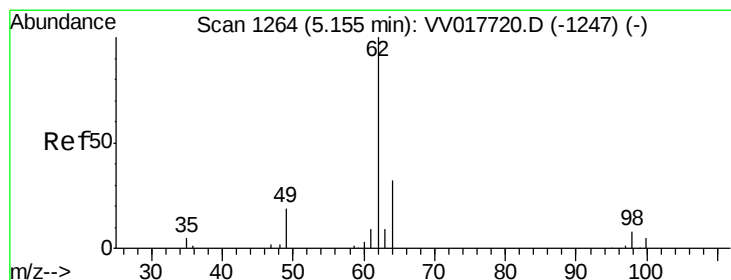
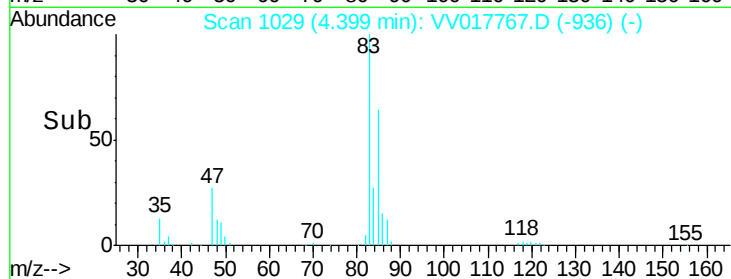
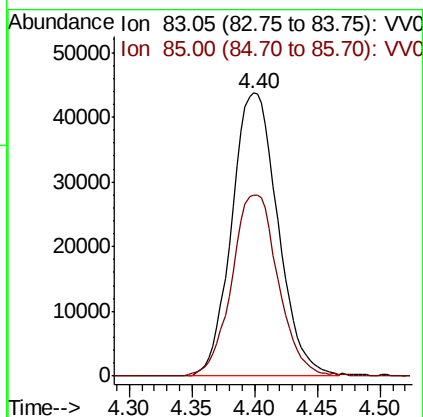
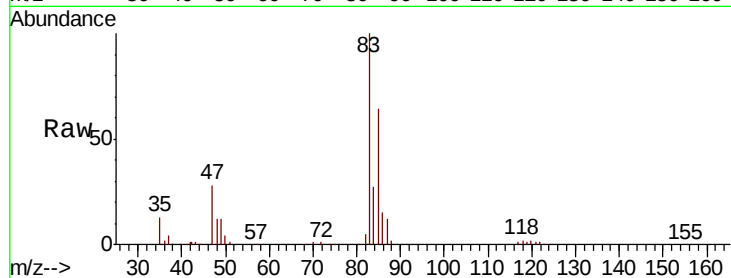




#25
 Chloroform
 Concen: 5.072 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

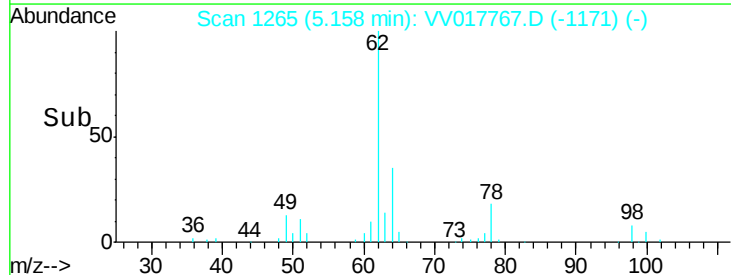
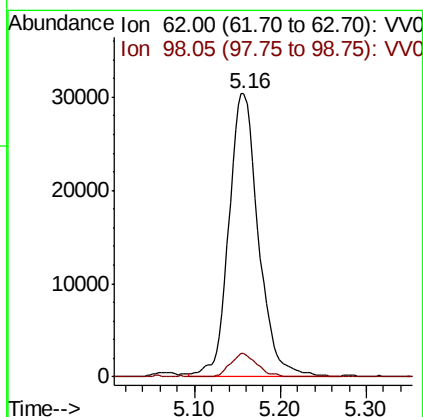
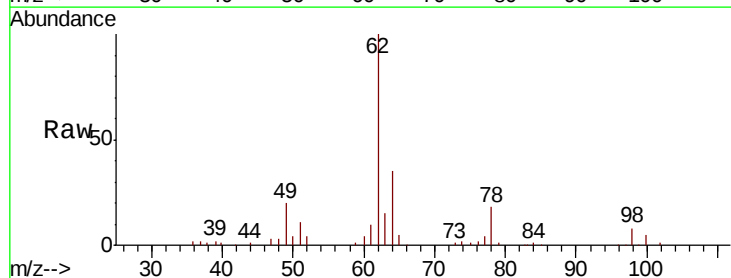
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

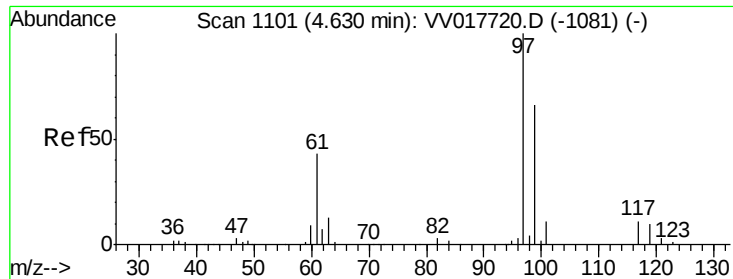
Tot Ion: 83 Resp: 111682
 Ion Ratio Lower Upper
 83 100
 85 64.1 47.3 87.9



#27
 1,2-Dichloroethane
 Concen: 5.102 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Tgt Ion: 62 Resp: 72842
 Ion Ratio Lower Upper
 62 100
 98 8.2 7.0 10.6

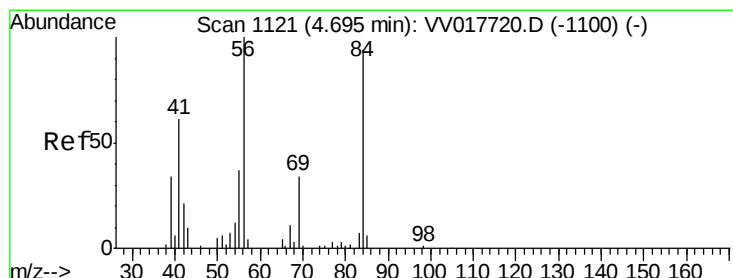
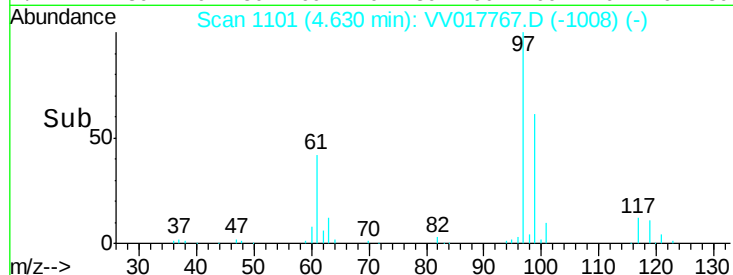
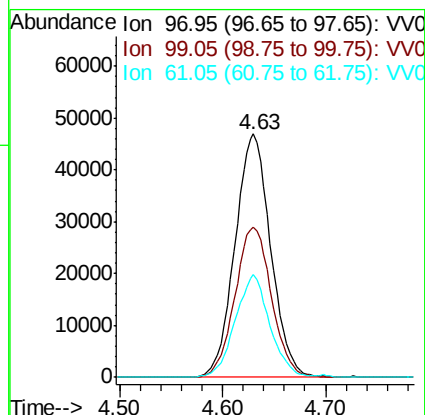
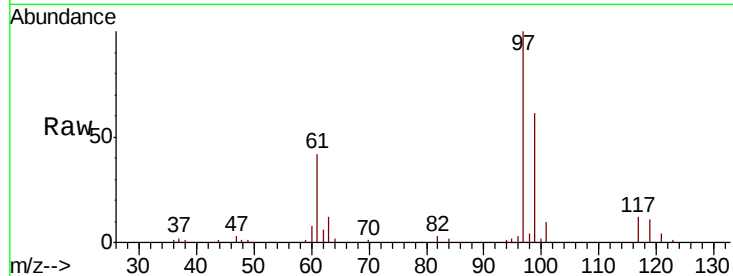




#29
 1,1,1-Trichloroethane
 Concen: 5.209 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

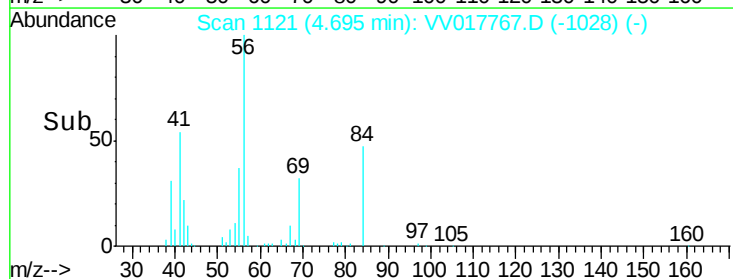
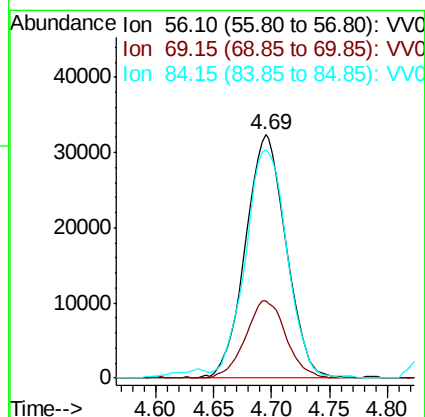
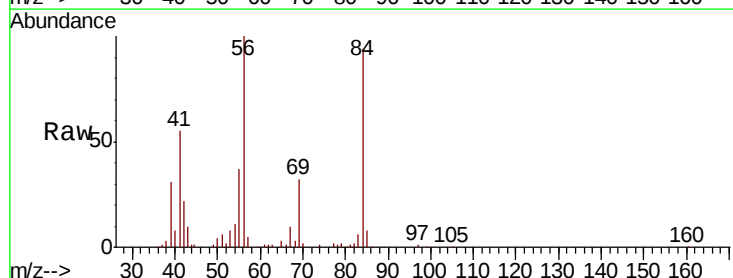
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

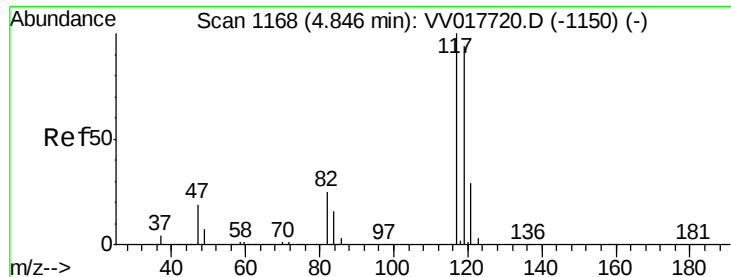
Tot Ion: 97 Resp: 112913
 Ion Ratio Lower Upper
 97 100
 99 63.2 50.6 76.0
 61 41.2 35.7 53.5



#30
 Cyclohexane
 Concen: 4.597 ug/L
 RT: 4.69 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Tgt Ion: 56 Resp: 78956
 Ion Ratio Lower Upper
 56 100
 69 31.8 25.4 38.2
 84 95.6 73.0 109.4





#31

Carbon tetrachloride

Concen: 5.475 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

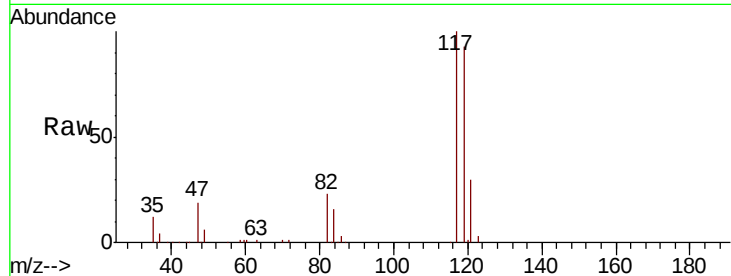
VBLK31

Tot Ion:117 Resp: 105562

Ion Ratio Lower Upper

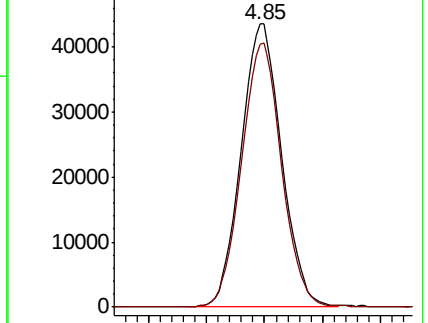
117 100

119 92.4 76.9 115.3

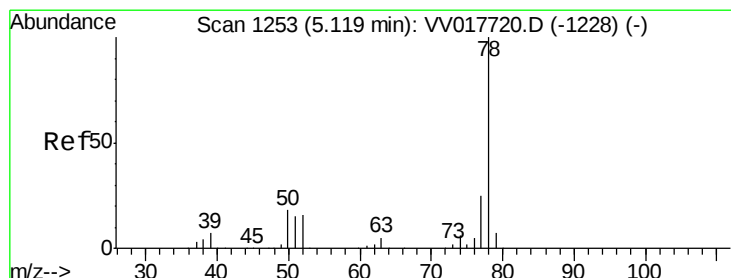
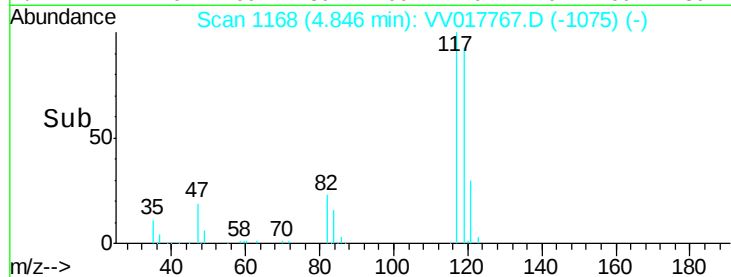


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#33

Benzene

Concen: 4.620 ug/L

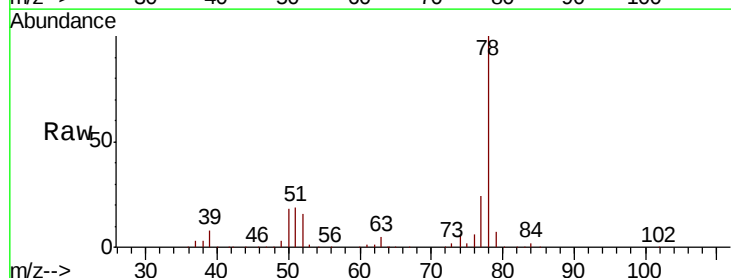
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

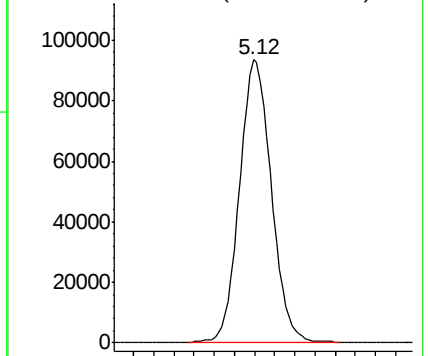
Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

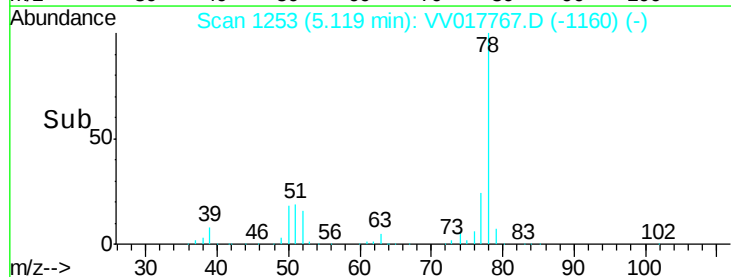
Tgt Ion: 78 Resp: 202638

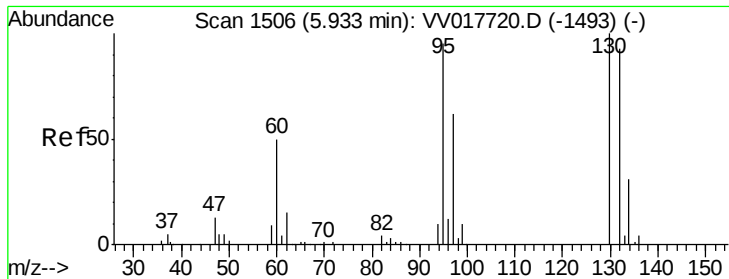


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





#34

Trichloroethene

Concen: 4.944 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

VBLK31

Tot Ion: 95 Resp: 60572

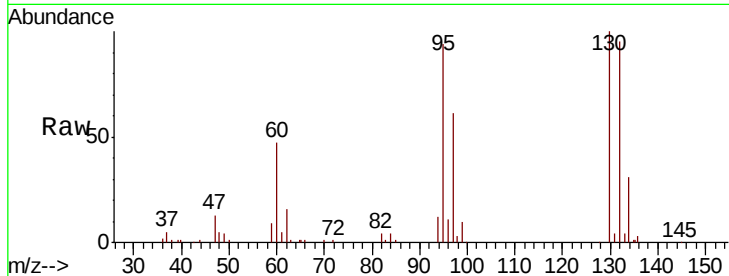
Ion Ratio Lower Upper

95 100

97 64.5 46.1 85.5

132 101.0 71.7 133.1

130 105.9 74.3 137.9



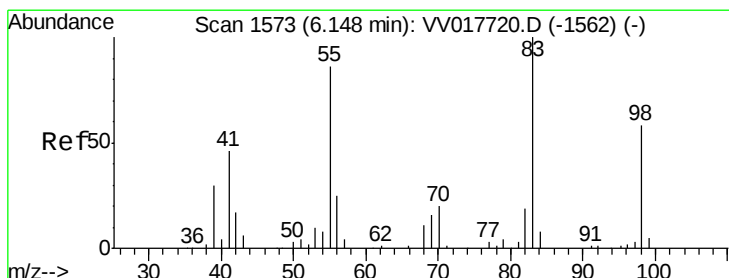
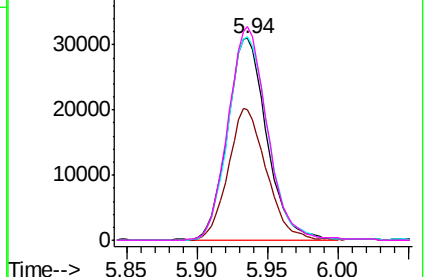
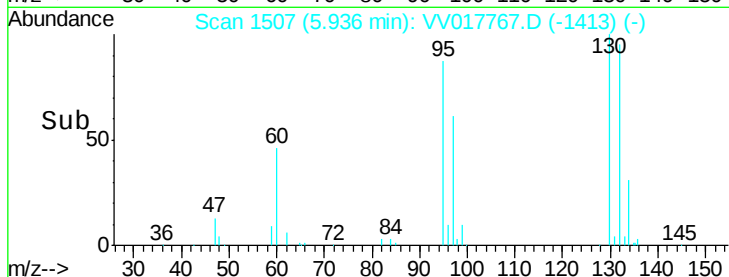
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Time-->



#35

Methylcyclohexane

Concen: 4.882 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

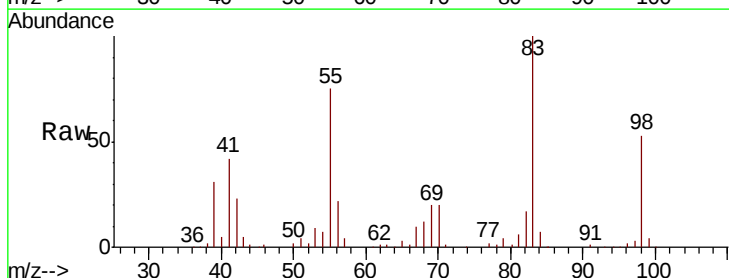
Tgt Ion: 83 Resp: 90479

Ion Ratio Lower Upper

83 100

55 75.1 61.8 92.8

98 50.6 39.0 58.6

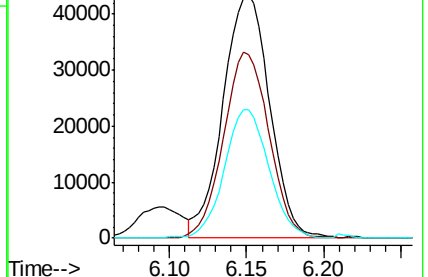
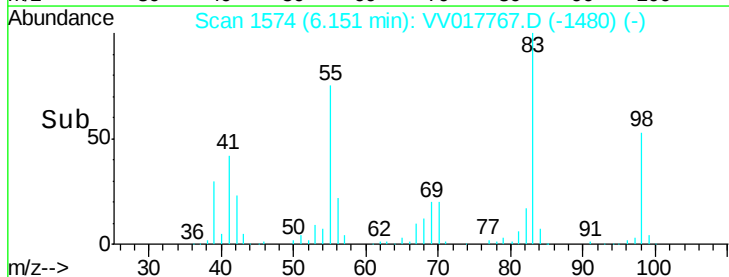


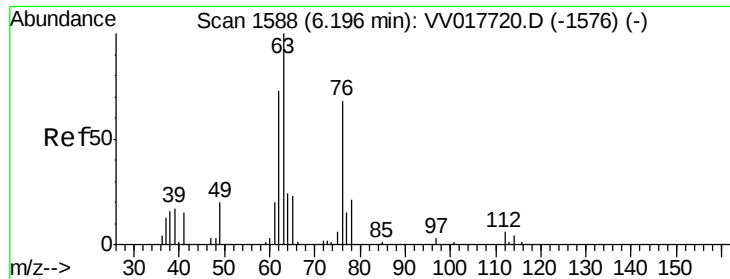
Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

Time-->

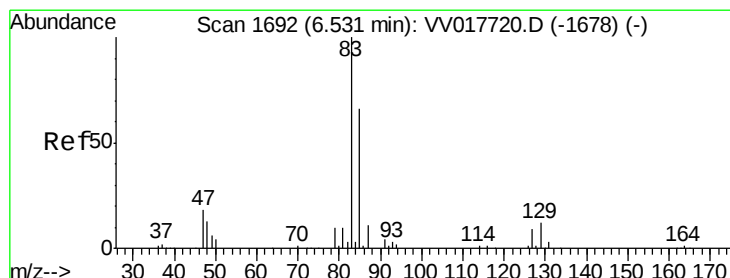
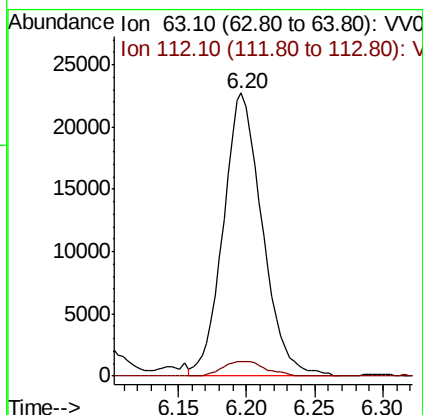
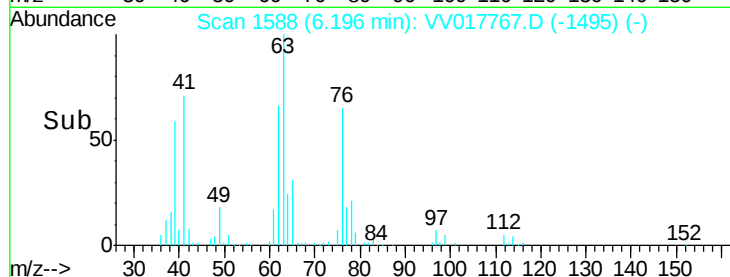
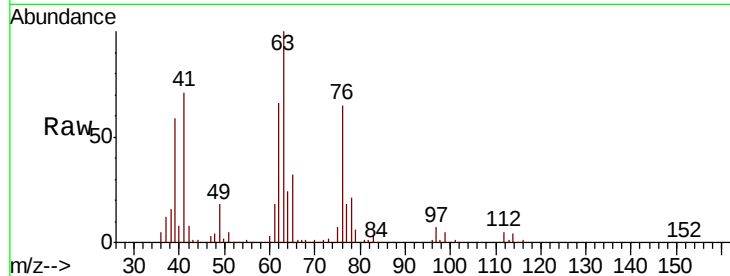




#37
 1,2-Dichloropropane
 Concen: 4.393 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

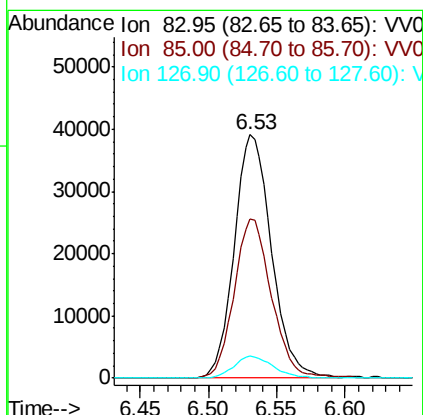
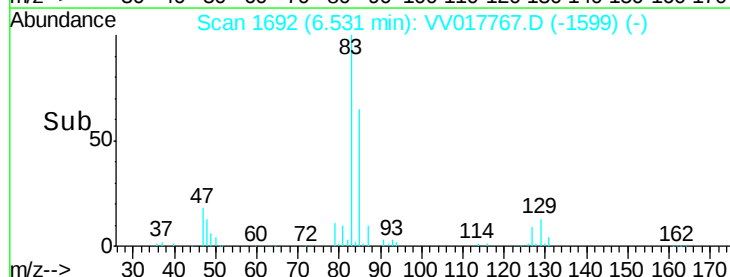
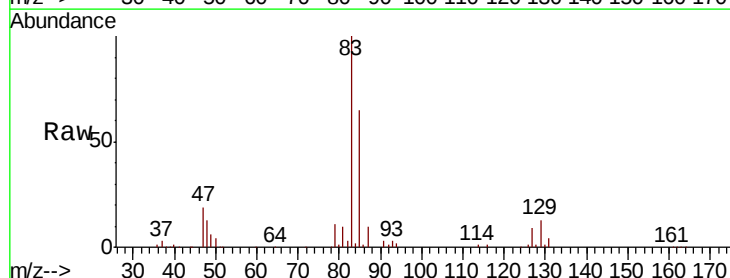
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

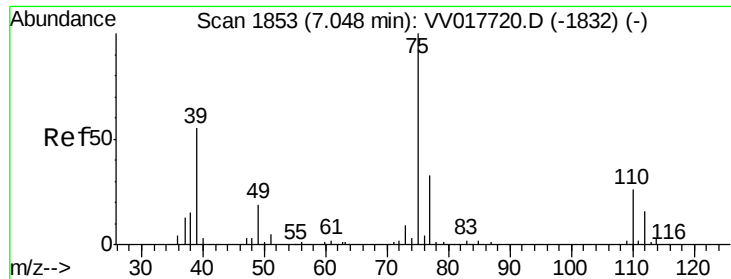
Tot Ion: 63 Resp: 45276
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.5 6.7



#38
 Bromodichloromethane
 Concen: 4.896 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Tgt Ion: 83 Resp: 74242
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.7 83.1
 127 9.0 7.4 11.0

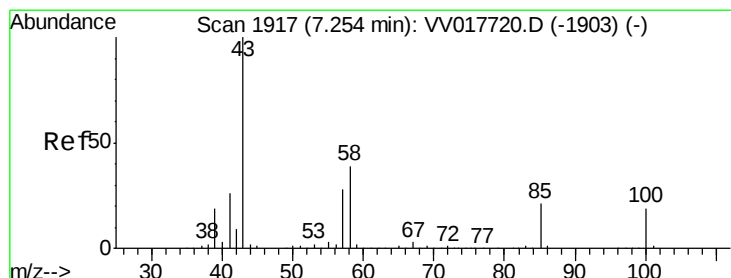
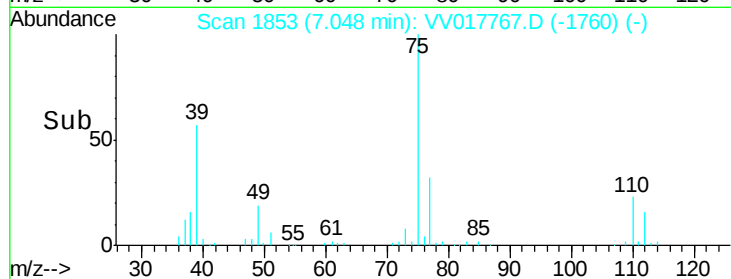
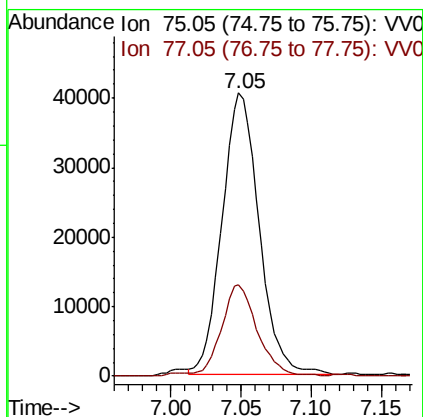
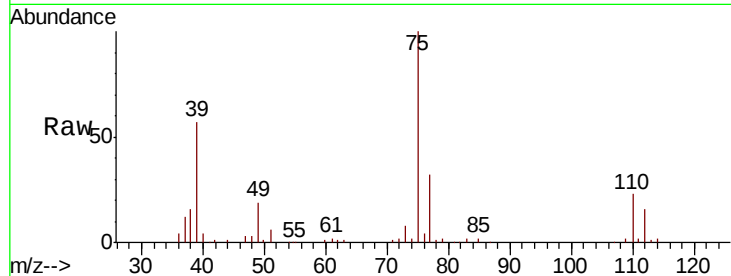




#39
 cis-1,3-Dichloropropene
 Concen: 4.765 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

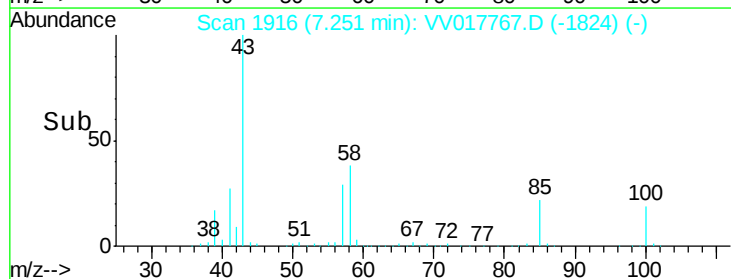
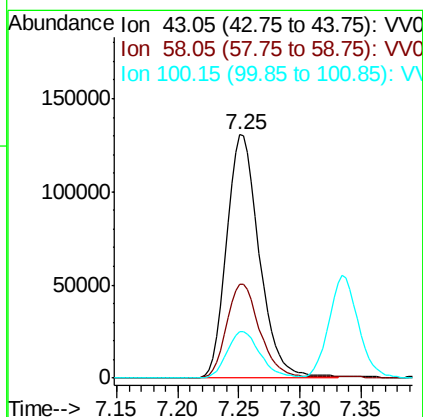
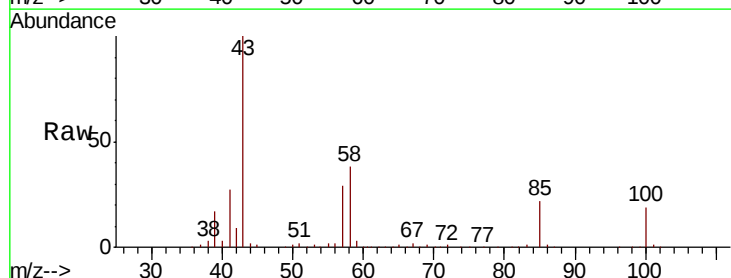
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

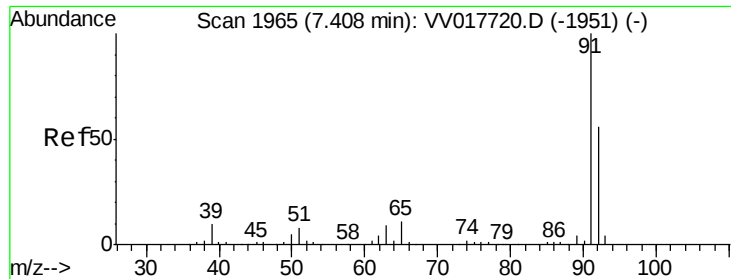
Tot Ion: 75 Resp: 74073
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 43.446 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Tgt Ion: 43 Resp: 245533
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.2 46.8
 100 19.2 13.6 20.4





#42

Toluene

Concen: 4.976 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampled :

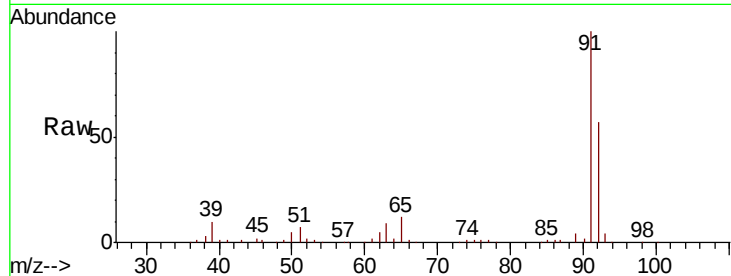
VBLK31

Tot Ion: 91 Resp: 238078

Ion Ratio Lower Upper

91 100

92 57.4 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017720.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017720.D (-1951) (-)

7.41

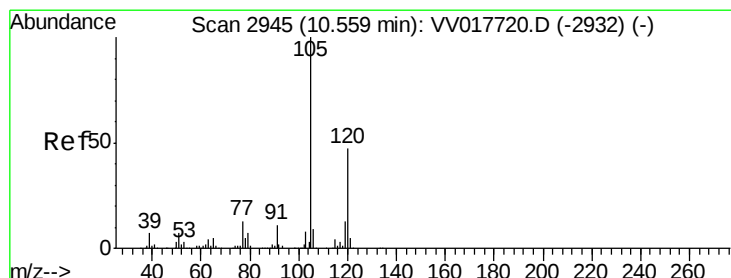
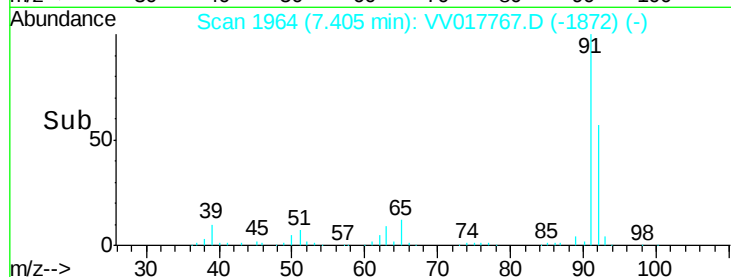
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.357 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017767.D

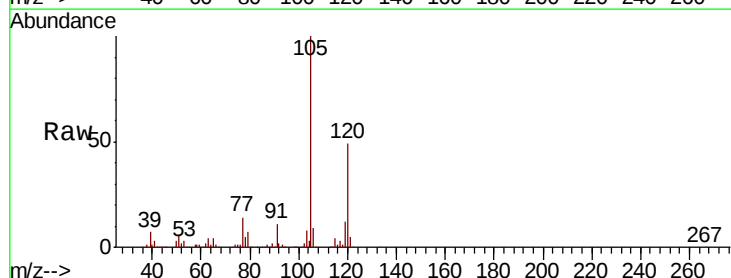
Acq: 31 Jul 2020 10:55

Tgt Ion:105 Resp: 239288

Ion Ratio Lower Upper

105 100

120 48.7 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017720.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017720.D (-2932) (-)

10.56

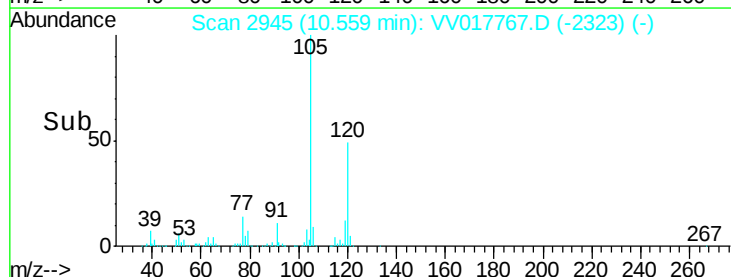
150000

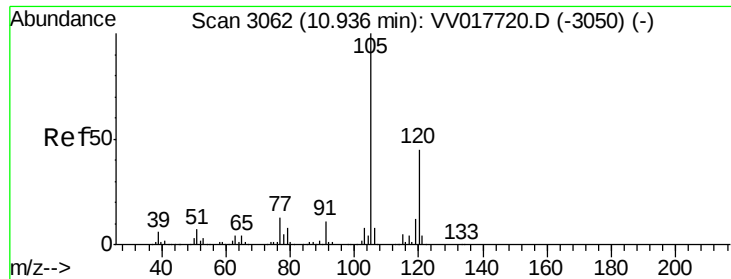
100000

50000

0

Time-->

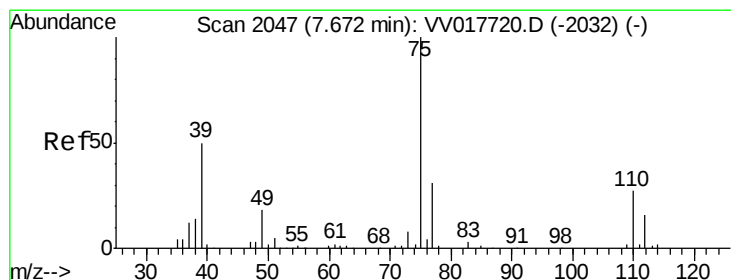
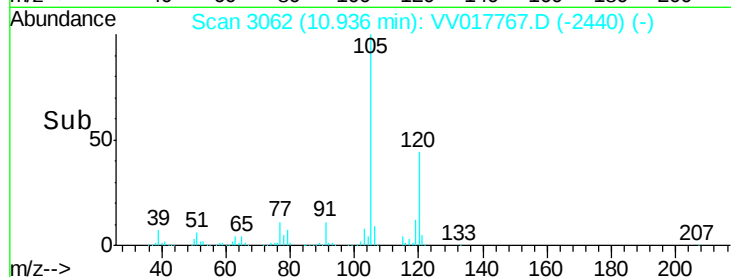
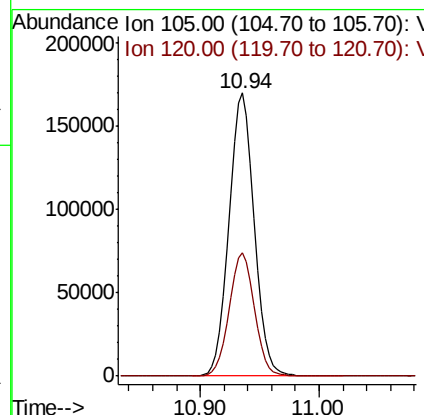
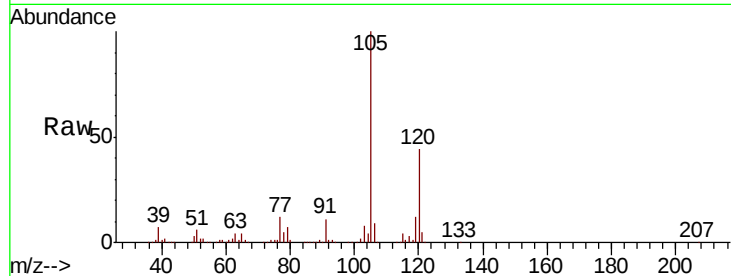




#44
1,2,4-Trimethylbenzene
Concen: 5.474 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VV017767.D
Acq: 31 Jul 2020 10:55

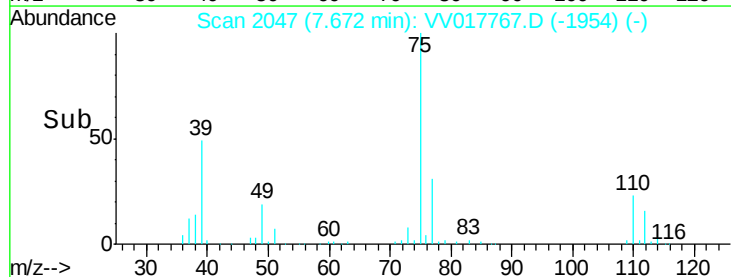
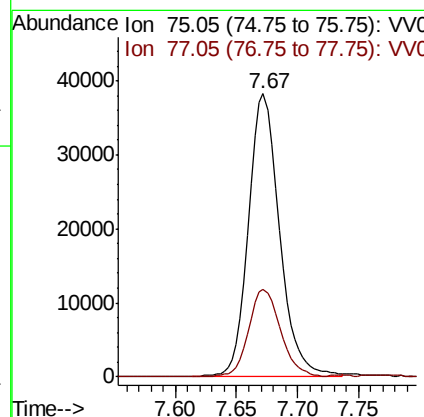
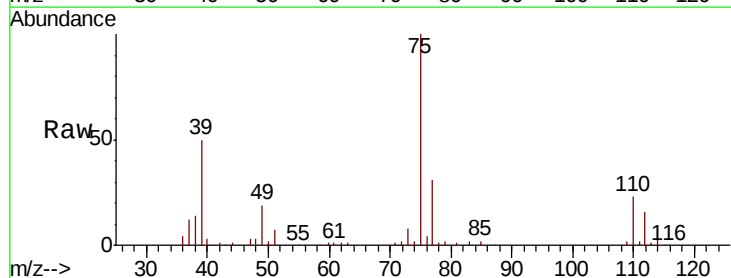
Instrument :
MSVOA_V
ClientSampleId :
VBLK31

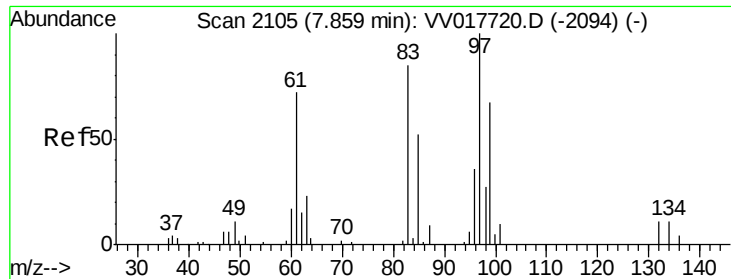
Tot Ion:105 Resp: 249845
Ion Ratio Lower Upper
105 100
120 43.6 35.9 53.9



#46
trans-1,3-Dichloropropene
Concen: 4.815 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. -0.00 min
Lab File: VV017767.D
Acq: 31 Jul 2020 10:55

Tgt Ion: 75 Resp: 67209
Ion Ratio Lower Upper
75 100
77 31.0 22.5 41.7

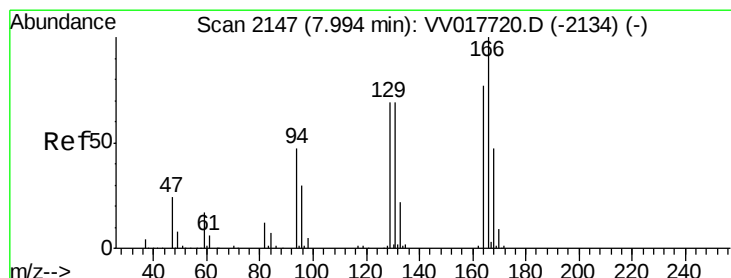
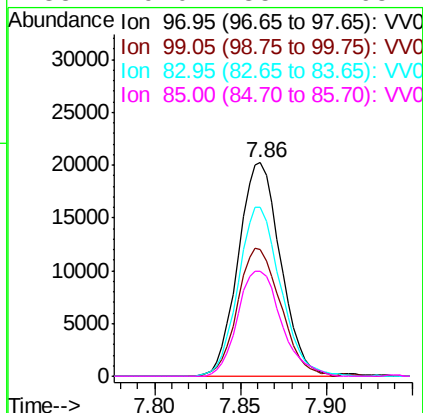
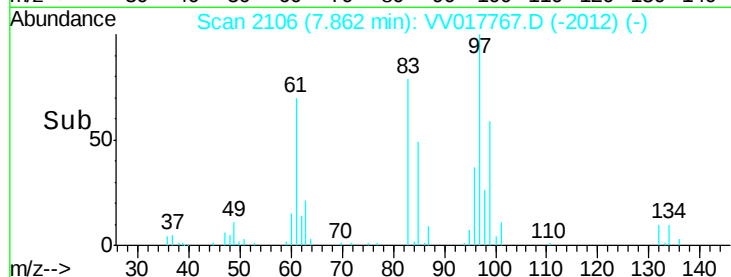
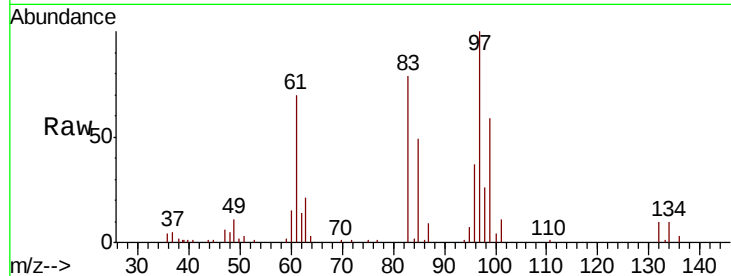




#47
 1,1,2-Trichloroethane
 Concen: 4.431 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

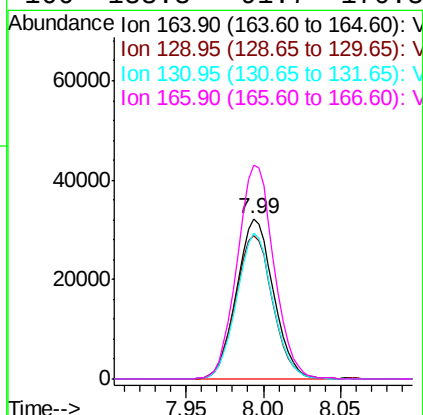
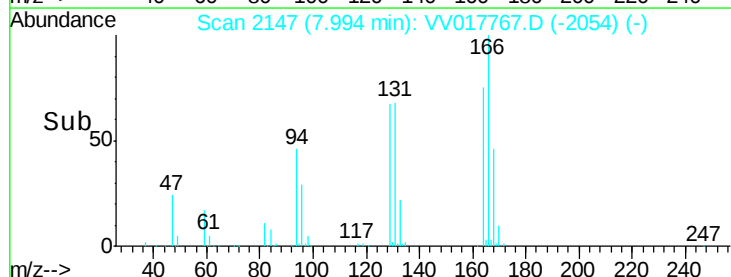
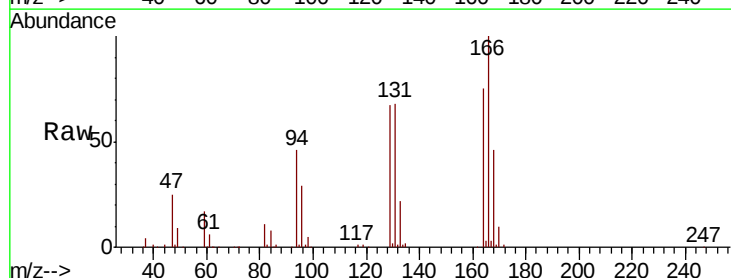
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

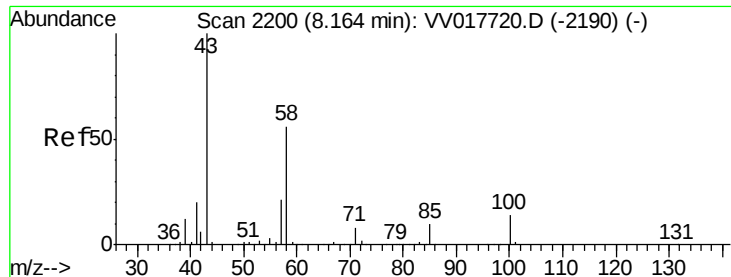
Tot Ion:	97	Resp:	34634
Ion	Ratio	Lower	Upper
97	100		
99	59.4	39.5	73.4
83	79.2	52.6	97.6
85	49.0	35.1	65.1



#49
 Tetrachloroethene
 Concen: 4.950 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Tgt Ion:	164	Resp:	53466
Ion	Ratio	Lower	Upper
164	100		
129	89.2	65.0	120.8
131	90.7	63.6	118.2
166	133.3	91.7	170.3

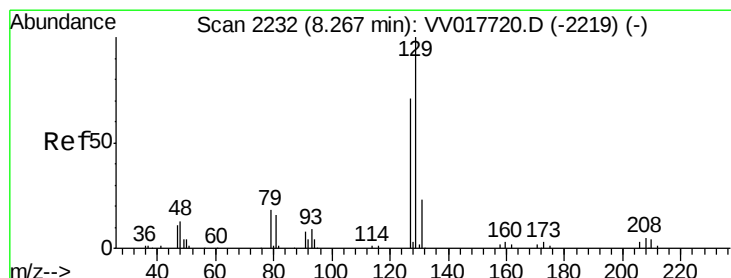
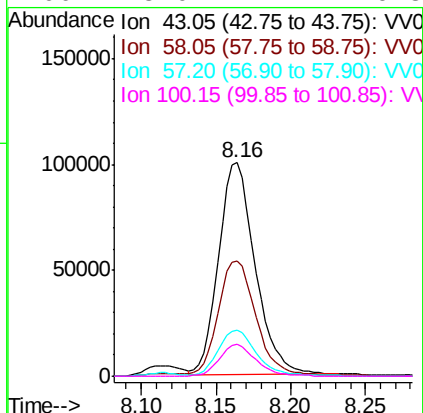
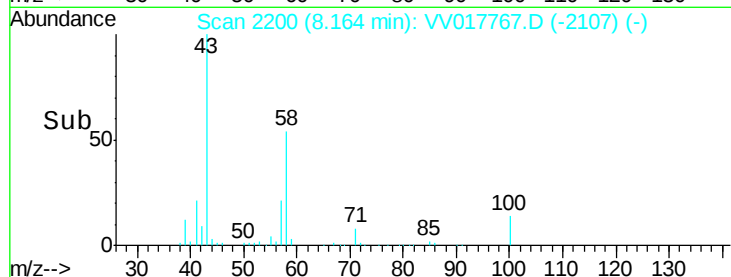
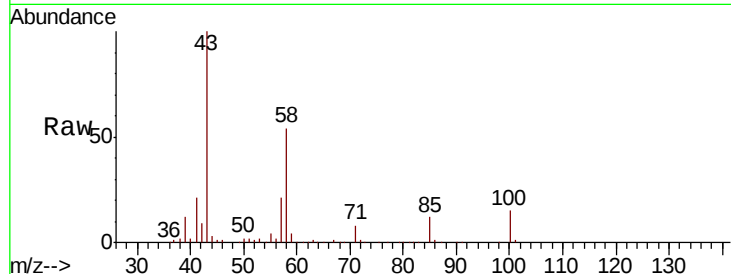




#50
2-Hexanone
Concen: 42.833 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV017767.D
Acq: 31 Jul 2020 10:55

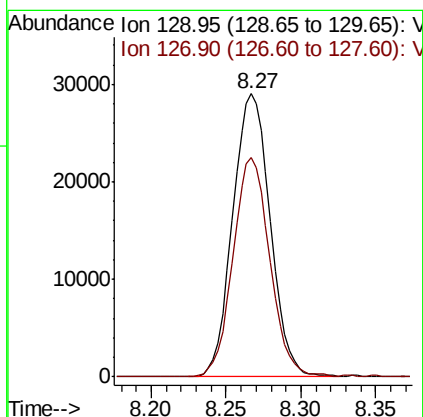
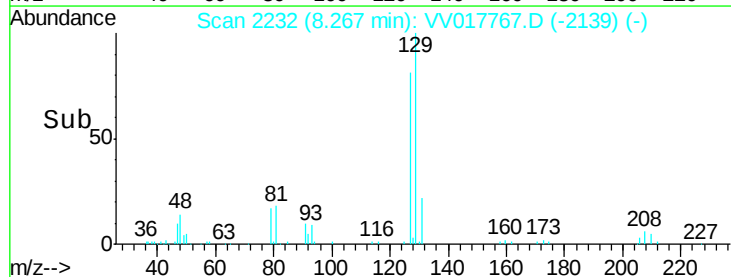
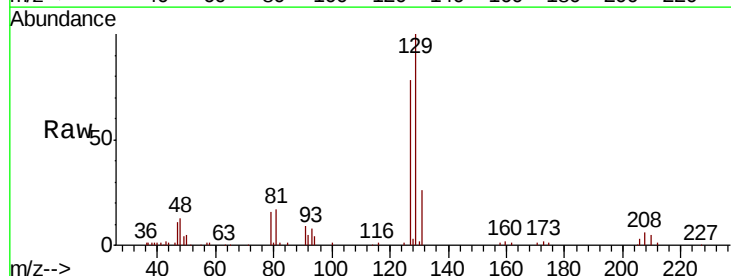
Instrument :
MSVOA_V
ClientSampleId :
VBLK31

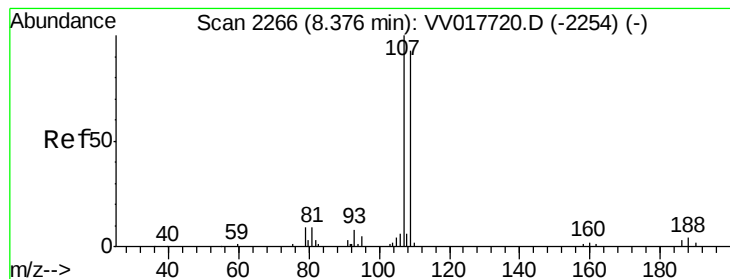
Tot Ion: 43 Resp: 171281
Ion Ratio Lower Upper
43 100
58 55.9 41.6 62.4
57 22.0 15.4 23.0
100 15.0 11.2 16.8



#51
Dibromochloromethane
Concen: 5.093 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017767.D
Acq: 31 Jul 2020 10:55

Tgt Ion: 129 Resp: 50670
Ion Ratio Lower Upper
129 100
127 77.5 56.3 104.5





#52

1,2-Dibromoethane

Concen: 4.493 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

VBLK31

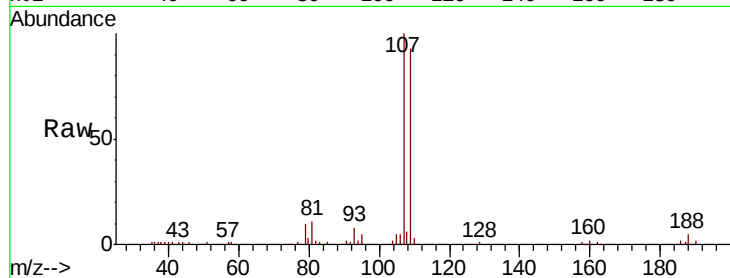
Tot Ion:107 Resp: 33140

Ion Ratio Lower Upper

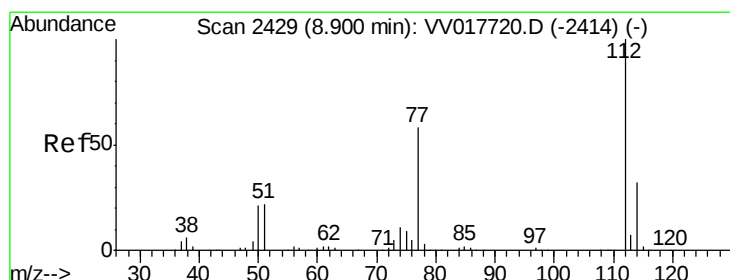
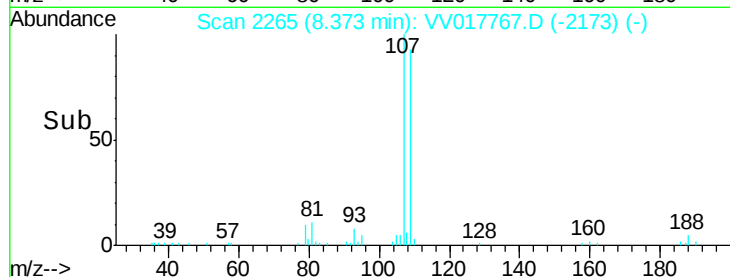
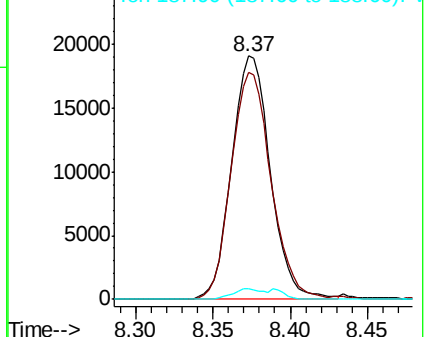
107 100

109 93.3 65.5 121.7

188 4.6 3.7 5.5



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 4.875 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

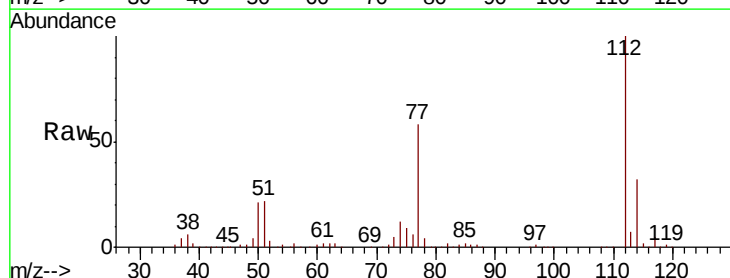
Tgt Ion:112 Resp: 155496

Ion Ratio Lower Upper

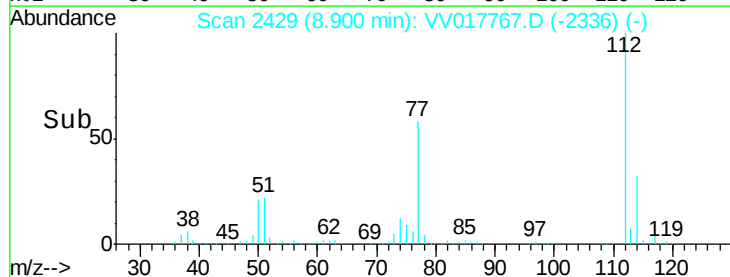
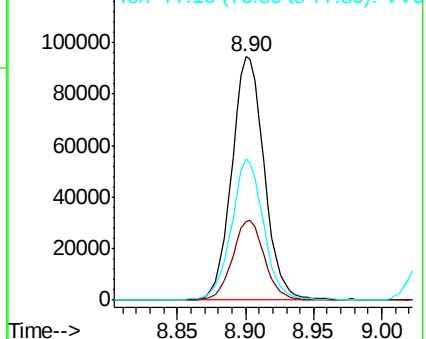
112 100

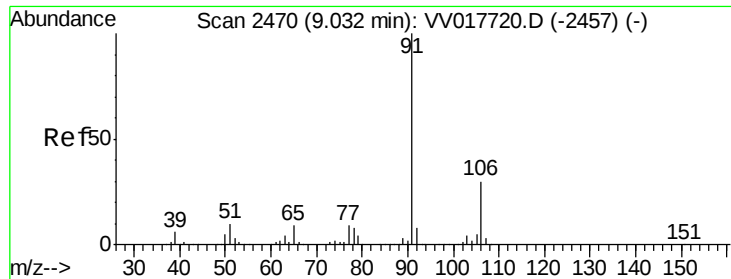
114 32.3 23.2 43.2

77 58.0 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 5.000 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

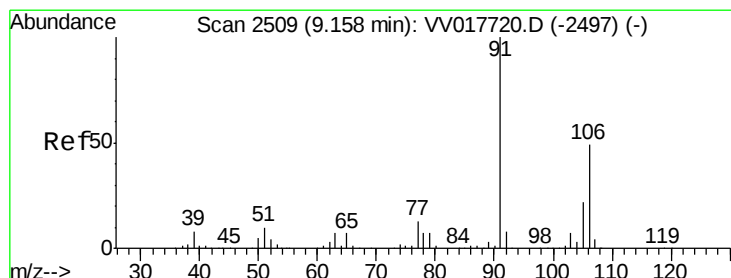
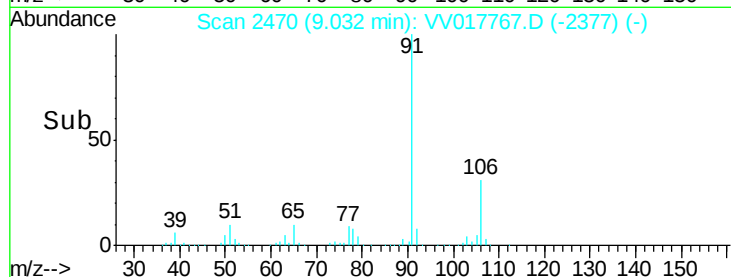
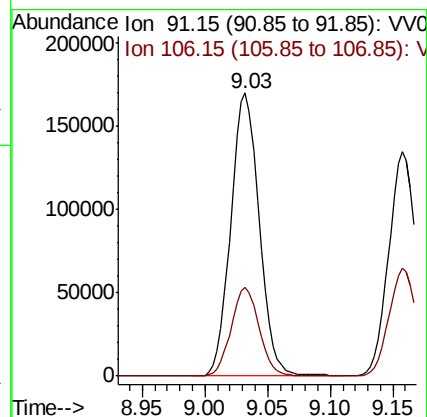
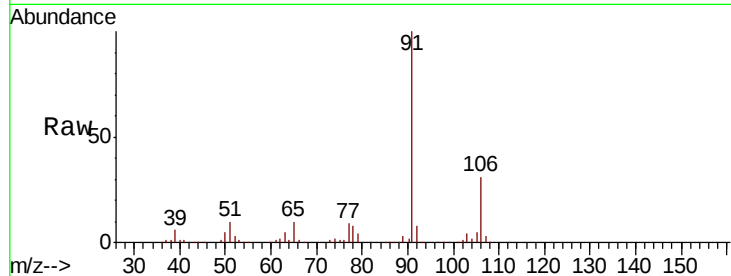
VBLK31

Tot Ion: 91 Resp: 267830

Ion Ratio Lower Upper

91 100

106 31.5 21.6 40.2



#55

m,p-xylene

Concen: 5.165 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017767.D

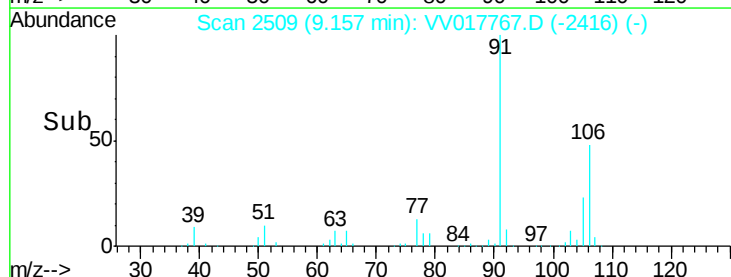
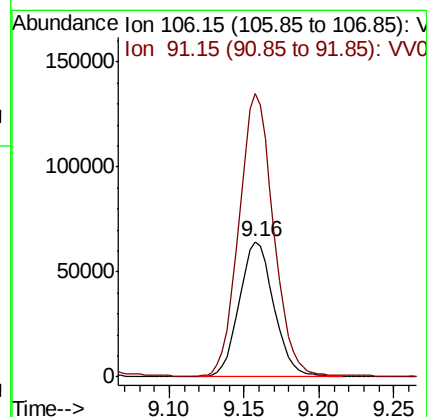
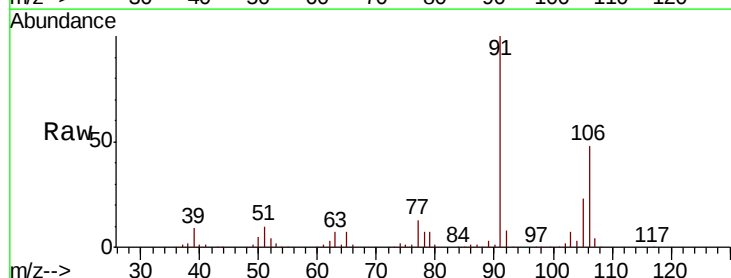
Acq: 31 Jul 2020 10:55

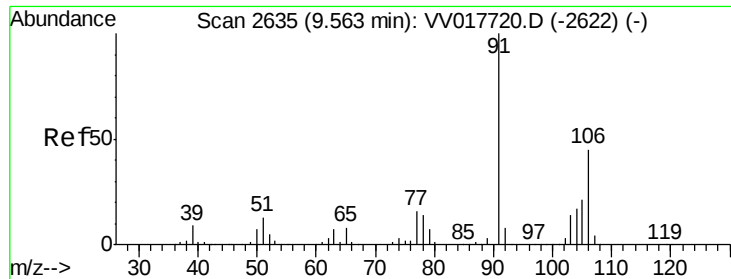
Tgt Ion: 106 Resp: 104207

Ion Ratio Lower Upper

106 100

91 209.1 141.3 262.3

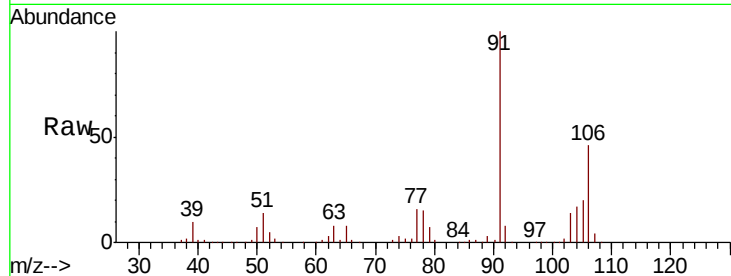




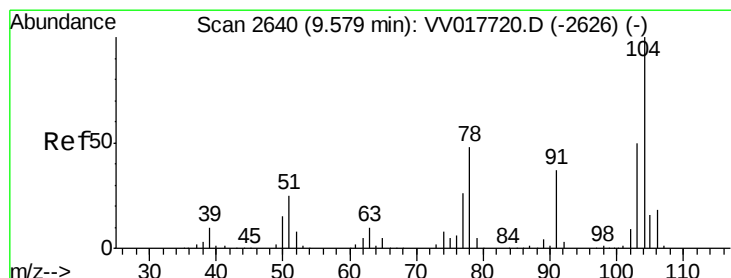
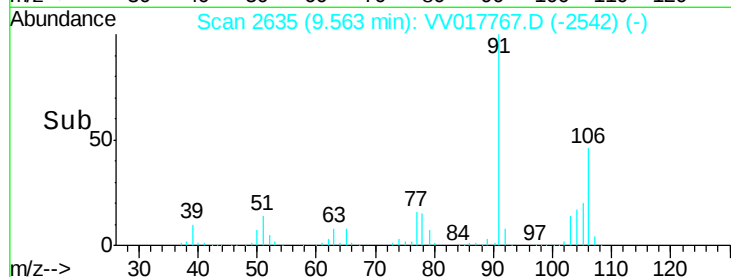
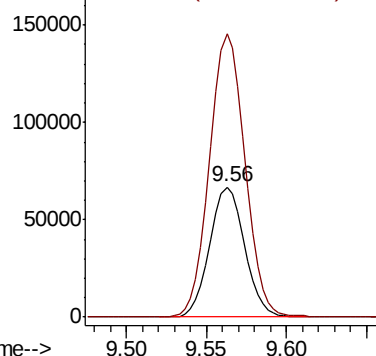
#56
o-xylene
Concen: 5.070 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017767.D
Acq: 31 Jul 2020 10:55

Instrument :
MSVOA_V
ClientSampled :
VBLK31

Tot Ion:106 Resp: 99264
Ion Ratio Lower Upper
106 100
91 217.9 153.9 285.7

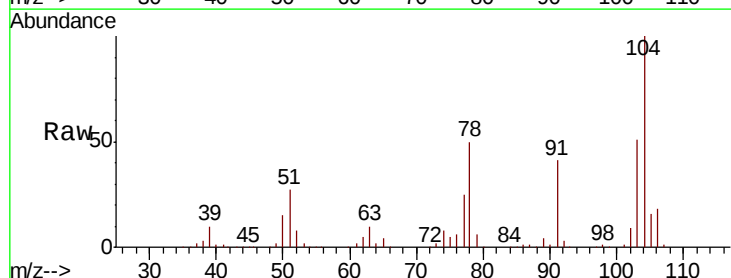


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

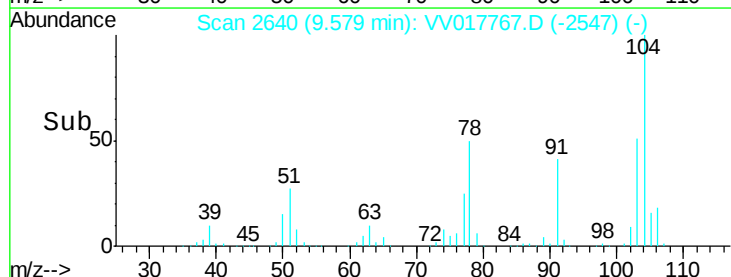
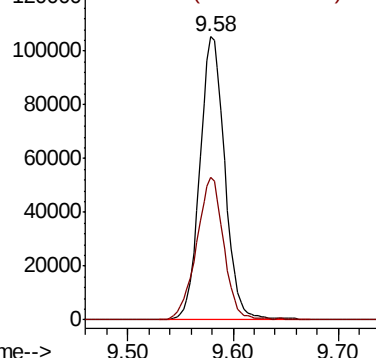


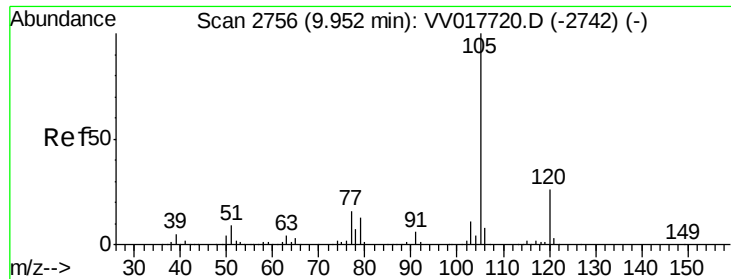
#57
Styrene
Concen: 5.283 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017767.D
Acq: 31 Jul 2020 10:55

Tgt Ion:104 Resp: 172594
Ion Ratio Lower Upper
104 100
78 50.3 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.266 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

VBLK31

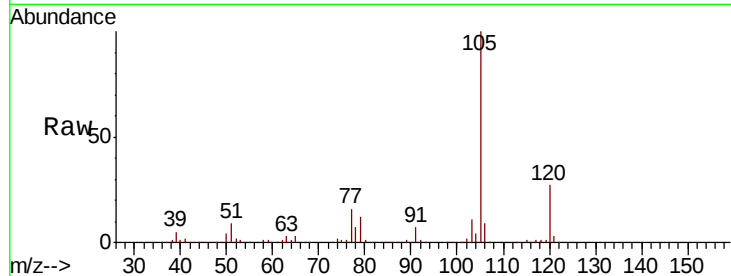
Tot Ion:105 Resp: 284411

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

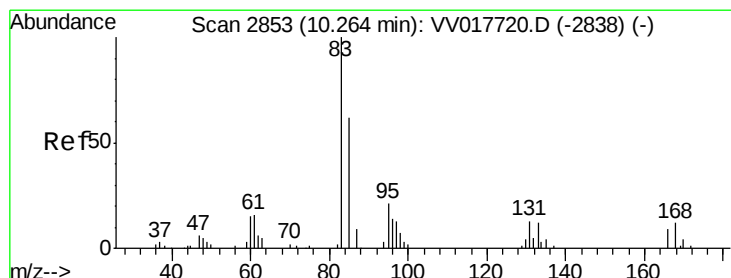
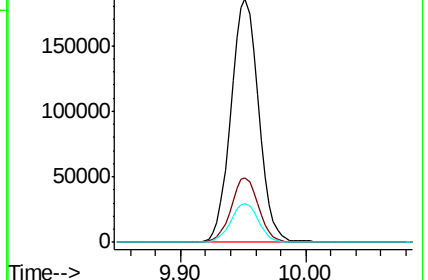
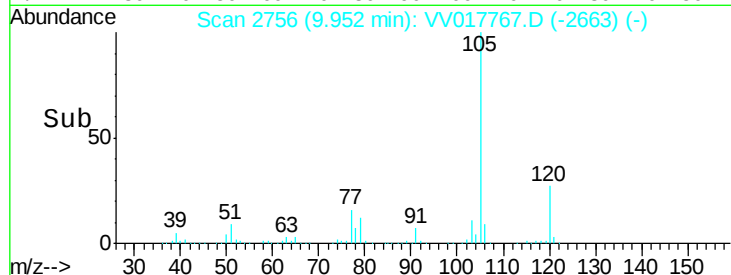
77 16.1 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): VV017767.D (-2663) (-)

Ion 120.10 (119.80 to 120.80): VV017767.D (-2663) (-)

Ion 77.10 (76.80 to 77.80): VV017767.D (-2663) (-)



#60

1,1,2,2-Tetrachloroethane

Concen: 4.241 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

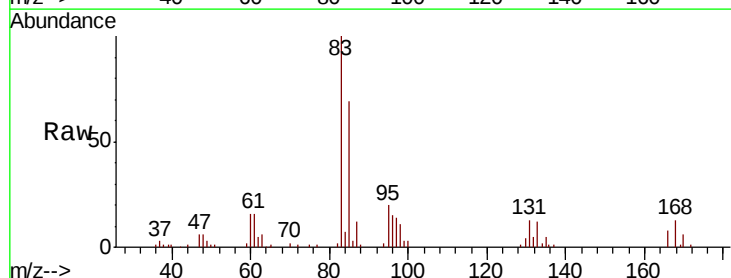
Tgt Ion: 83 Resp: 36123

Ion Ratio Lower Upper

83 100

85 68.5 44.4 82.5

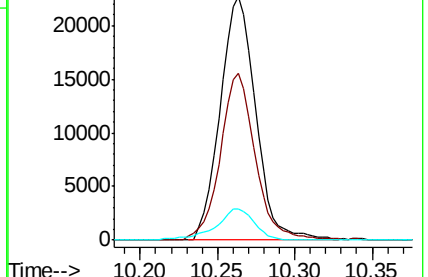
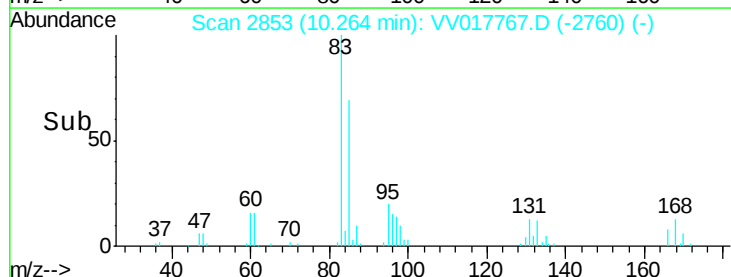
131 12.9 9.2 13.8

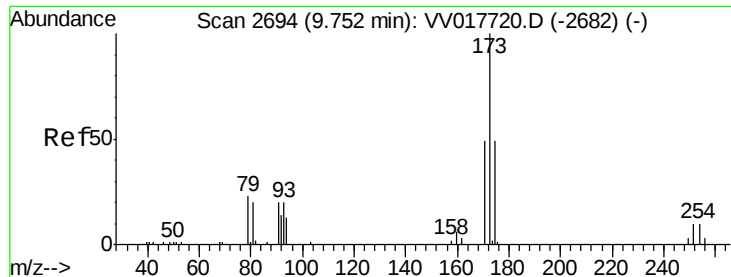


Abundance Ion 82.95 (82.65 to 83.65): VV017767.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV017767.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV017767.D (-2760) (-)





#62

Bromoform

Concen: 5.030 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

VBLK31

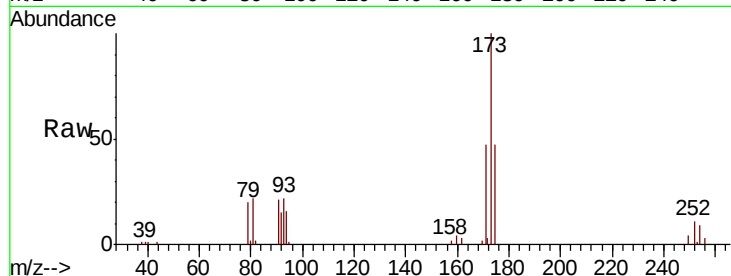
Tot Ion:173 Resp: 27878

Ion Ratio Lower Upper

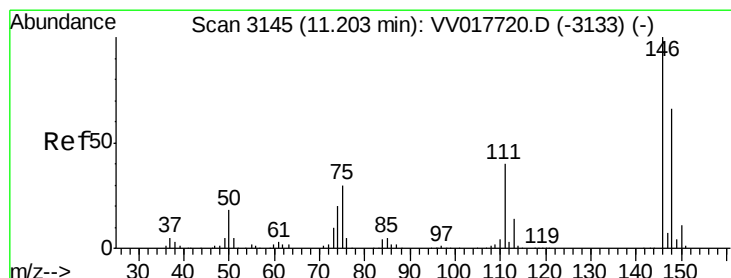
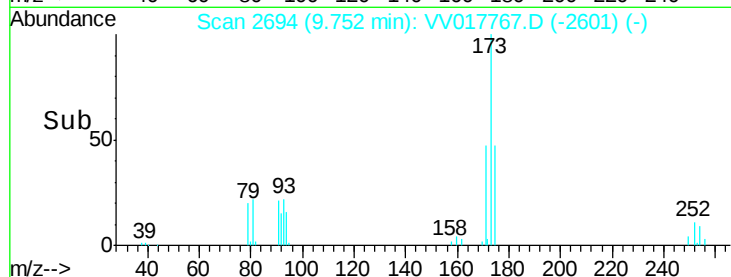
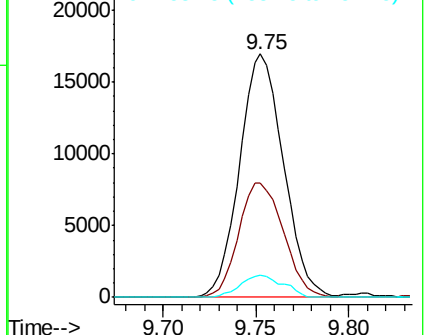
173 100

175 48.1 39.6 59.4

254 8.8 8.4 12.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.146 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

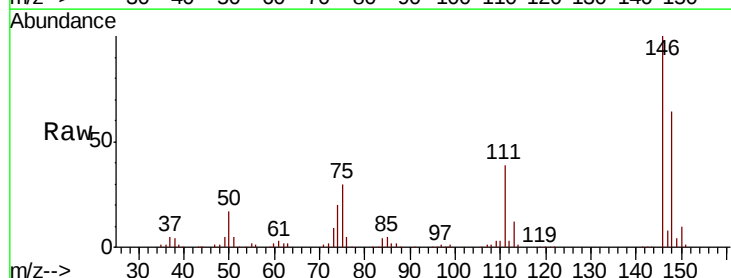
Tgt Ion:146 Resp: 143500

Ion Ratio Lower Upper

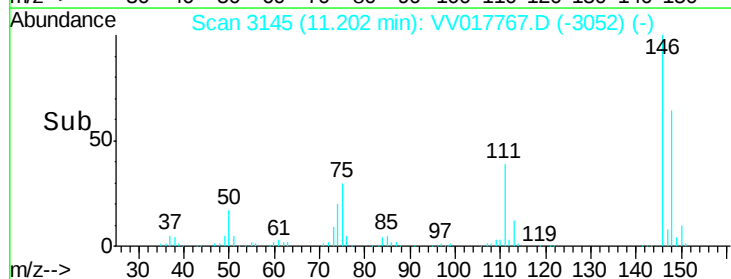
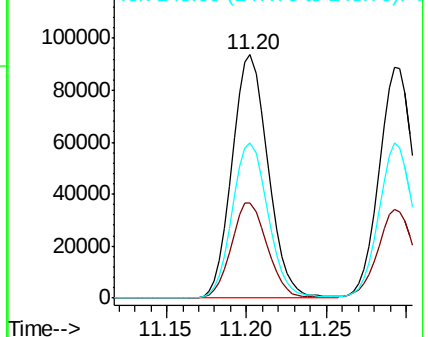
146 100

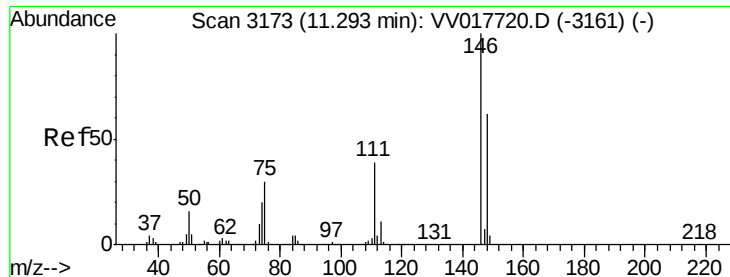
111 39.0 27.3 50.7

148 64.0 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.970 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

VBLK31

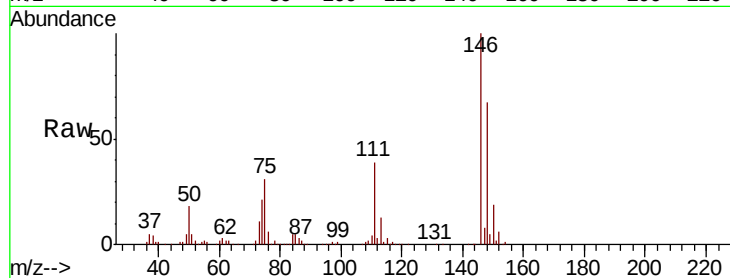
Tot Ion:146 Resp: 139068

Ion Ratio Lower Upper

146 100

111 38.5 27.4 51.0

148 67.0 43.8 81.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

120000

100000

80000

60000

40000

20000

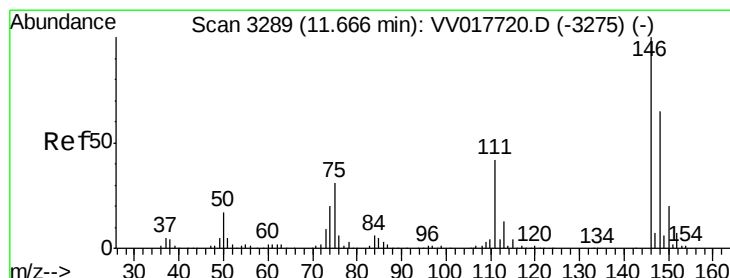
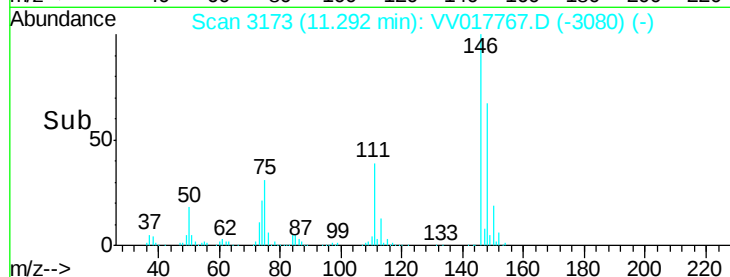
0

11.29

11.30

11.40

Time-->



#66

1,2-Dichlorobenzene

Concen: 4.928 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017767.D

Acq: 31 Jul 2020 10:55

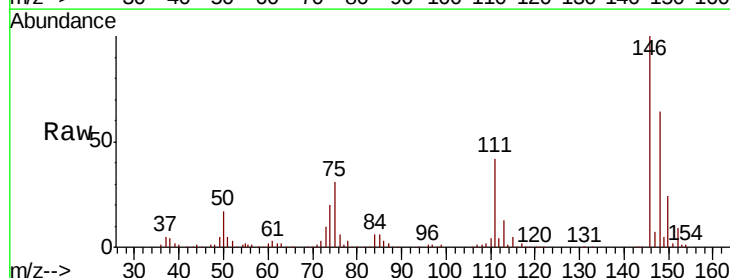
Tgt Ion:146 Resp: 125178

Ion Ratio Lower Upper

146 100

111 42.1 33.0 49.4

148 63.9 49.9 74.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

100000

80000

60000

40000

20000

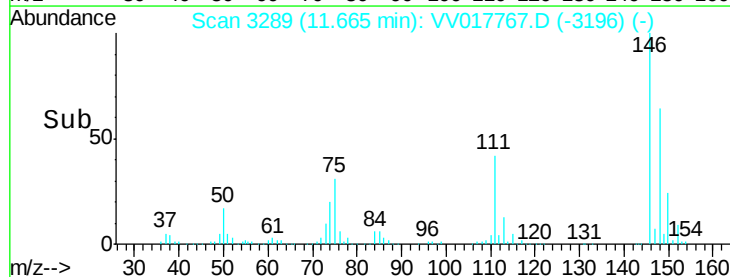
0

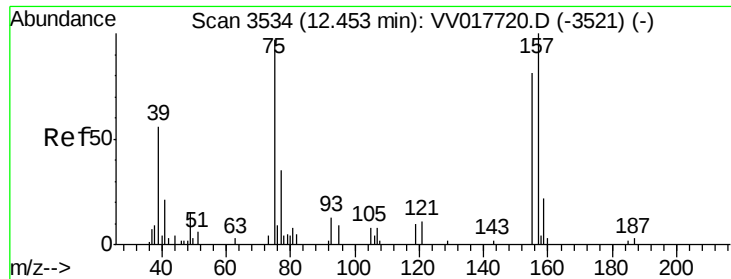
11.67

11.65

11.70

Time-->

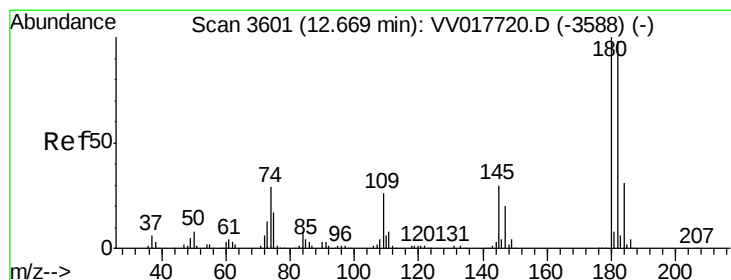
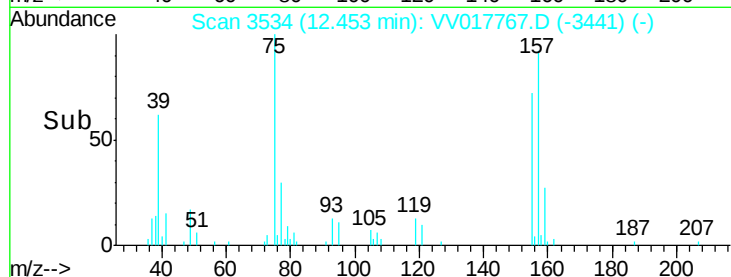
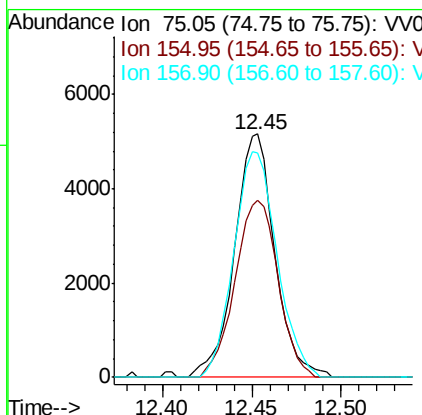
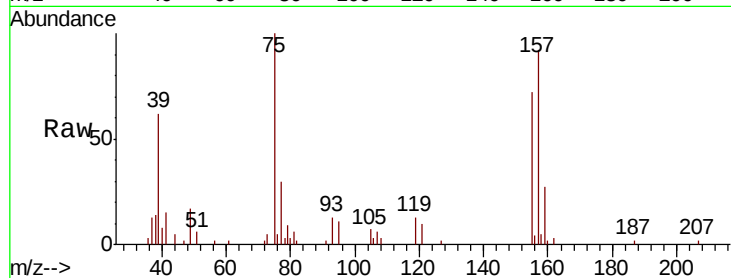




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.091 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

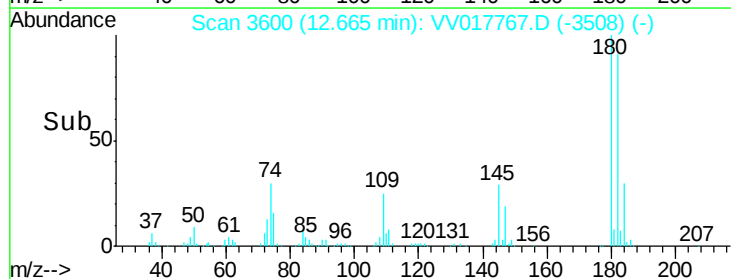
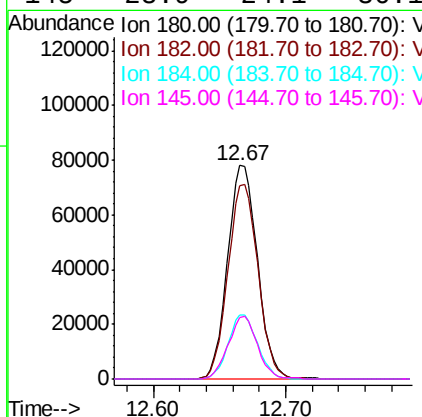
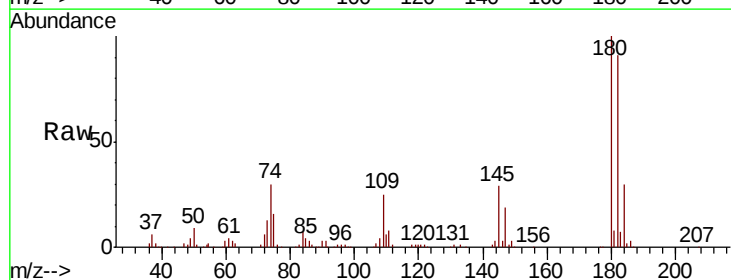
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

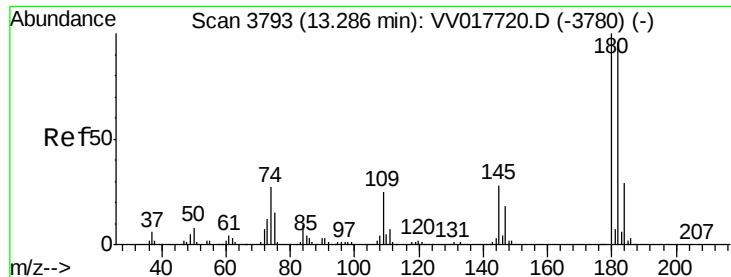
Tot Ion: 75 Resp: 8086
 Ion Ratio Lower Upper
 75 100
 155 72.5 68.7 103.1
 157 92.2 87.8 131.8



#68
 1,3,5-Trichlorobenzene
 Concen: 5.388 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Tgt Ion: 180 Resp: 122045
 Ion Ratio Lower Upper
 180 100
 182 91.9 77.1 115.7
 184 29.5 25.2 37.8
 145 28.9 24.1 36.1

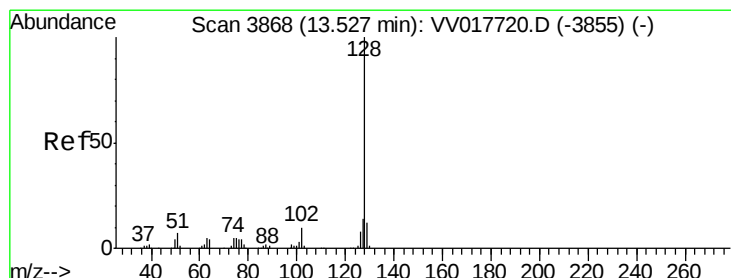
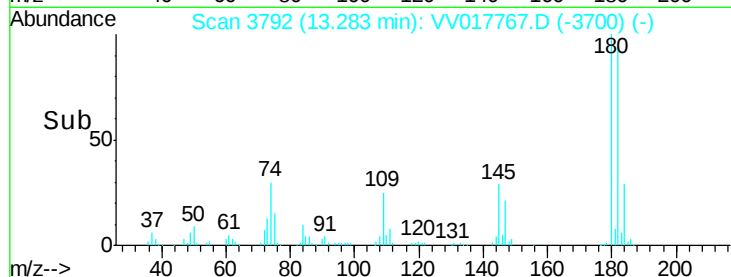
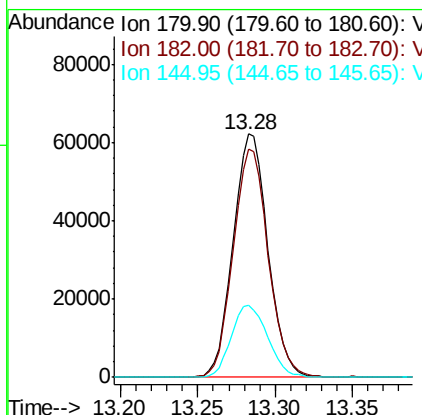
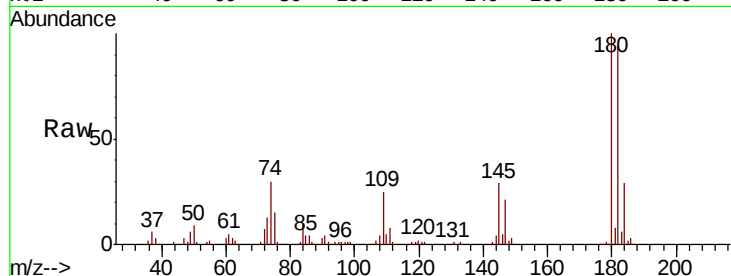




#69
 1,2,4-trichlorobenzene
 Concen: 5.111 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

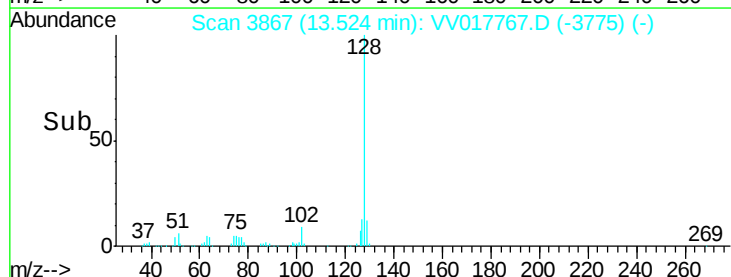
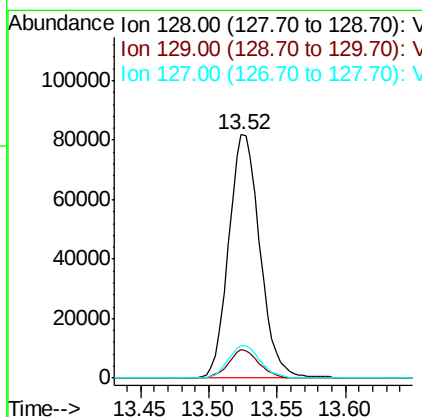
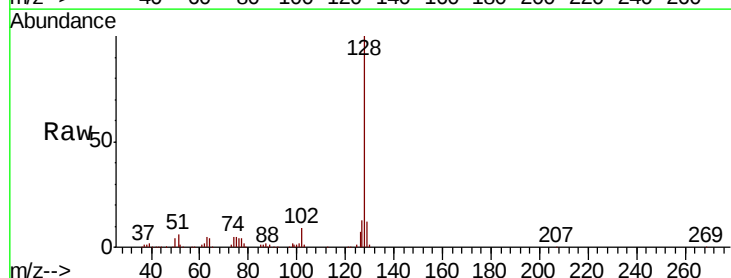
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

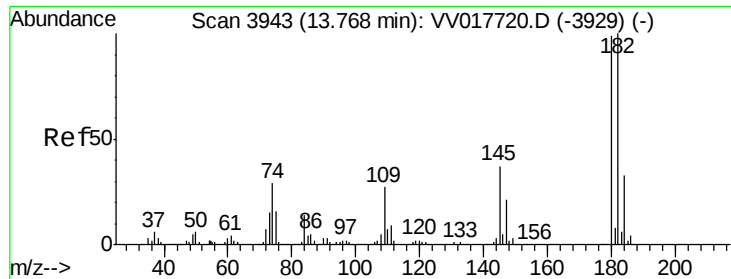
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.4	113.2
145	30.9	24.2	36.2



#70
 Naphthalene
 Concen: 4.947 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.7	11.0	16.6





#71
 1,2,3-Trichlorobenzene
 Concen: 4.994 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017767.D
 Acq: 31 Jul 2020 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

Tot Ion:	180	Resp:	83845
Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.2	111.4
145	32.7	26.0	39.0

